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This study of progress in the construction of higher education facilities in the United States presents detailed analyses of new construction and the rehabilitation of old buildings during 1958-59 and trend analyses in new construction from 1951 to 1959 (a period for which at least representative, if not complete, data are available).

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Progress IN THE Construction OF Higher Education Facilities 1951-59

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Highlights

For the fiscal year 1958-59, a total of 1,476 higher education institutions reported the completion of construction and rehabilitation projects costing nearly $626 million: $585 million for new construction and $41 million for rehabilitation. Publicly controlled institutions spent $404 million, and privately controlled $222 million.

Nearly 57 percent of the 1958-59 expenditures were for instructional, research, and general facilities; over 35 percent for residential facilities; and nearly 8 percent for auxiliary facilities other than residential. Publicly controlled institutions leaned most heavily (68.2 percent) upon governmental sources for funds for instructional, research, and general facilities; and privately controlled institutions upon gifts and grants for funds for these same facilities to the extent of 61.0 percent.

The cost per square foot of all new construction in 1958-59 was $18.40 in publicly controlled and $20.30 in privately controlled institutions. The average cost of rehabilitation was $7.50 per square foot, approximately 40 percent of the average per-square-foot cost of new construction.

Trends in expenditures for facilities completed in each year from 1951 to 1959 have been mixed. Despite a general uptrend, 1953-54 and 1956-57 showed cyclical recessions, especially among publicly controlled institutions.

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Progress in the Construction of Higher Education Facilities

DETAILED ANALYSIS, 1958–59
TRENDS ANALYSIS, 1951–59

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HEALTH, EDUCATION, AND WELFARE . Anthony J. Celebrezze, *Secretary*
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Foreword

Those who finance and administer college and university capital budgets are confronted with the problem of providing physical facilities for the rapidly increasing number of young people who apply for admittance. High school enrollment figures point toward an augmented number in each year of the decade ahead.

This study analyzes progress in the construction of new facilities and the rehabilitation of old buildings during 1958-59. It also identifies trends in new construction during 1951-59, a period for which at least representative, if not complete, data are available. The trends are reported by (1) aggregate gross dollars, (2) public and private control, (3) functional type of facilities, (4) geographic region, (5) source of funds, (6) per-student expenditures, and (7) per-square-foot cost.

Ernest V. Hollis, Director
College and University
Administration Branch

R. Orin Cornett
Acting Assistant Commissioner
for Higher Education

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Part I

New Construction and Rehabilitation for Higher Education in Fiscal Year 1958-59

Each fall, when the Office of Education makes its annual survey of salaries, tuition and fees, and board and room for the ensuing academic year, it also secures data on construction completed during the previous fiscal year. However, in order to expedite publication of the former data, the Office has not hitherto published the latter. This part (part I) of the present study presents a detailed analysis of the construction data for 1958-59. That year was the first for which the survey requested the inclusion of rehabilitation projects, as well as new construction projects.

A total of 1,476 higher education institutions, from a mailing list of 1,912, reported rehabilitation and new construction projects completed during the fiscal year ending June 30, 1959. 1/ The data are believed to be representative, since they are drawn from publicly controlled institutions having 93.4 percent of the total enrollment in those institutions and from privately controlled institutions having 82.5 percent of the total enrollment in those institutions.

The responding institutions represented the following percentages of the total enrollment in each region:

Region 2/	Publicly controlled institutions	Privately controlled institutions
North Atlantic	94.9	84.7
Great Lakes and Plains .	96.2	81.5
Southeast	93.6	73.7
West and Southwest . . .	90.3	85.5

U. S. Service Academies and Outlying Parts (including Alaska and Hawaii) reported minor amounts for new construction and rehabilitation. Except for tables 3 and 8, all tables and figures throughout this report present data for aggregate United States. ("Aggregate United States" is used to indicate the 48 States, the District of Columbia, and the outlying parts.)

Construction and rehabilitation completions were reported for the year 1958-59 as amounting to over $625 million. (See table 1.) Of this amount, nearly $404 million was spent by publicly controlled institutions and nearly $222 million by those privately controlled.

Dollar amounts by region, for new construction, for rehabilitation, and for construction and rehabilitation combined, are presented in table 1.

1/ Bokelman, W. Robert. Higher Education Planning and Management Data, 1959-60. (Circular No. 614). U. S. Department of Health, Education, and Welfare, Office of Education. Washington: U. S. Government Printing Office. 1960. 104 p. This circular shows that 1,433 returns were received in time to be included in the study of salaries, tuition and fees, and board and room. An additional 43 late returns were added for the present study on construction, making the total 1,476.

2/ North Atlantic region: Connecticut, District of Columbia, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont. Great Lakes and Plains region: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. Southeast region: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia. West and Southwest region: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oklahoma, Oregon, Texas, Utah, Washington, and Wyoming.

Table 2 converts the dollar amounts to percentages and presents the same categories as table 1. Attention is called to the fact that the total reported rehabilitation costs, $40,750,000, represent only 6.5 percent of total construction and rehabilitation expenditures, as compared to the 93.5 percent represented by new construction.

Expenditures and Enrollment

Table 3 shows that, regionally, total expenditures were distributed only roughly according to enrollment. The North Atlantic region, enrolling 28.1 percent of the students, spent 27.7 percent of the total; the Great Lakes and Plains region, with 29.7 percent of the enrollment, 35.3 percent; the Southeast, with 16.4 percent of the enrollment, 17.0 percent; and the West and Southwest, with 25.8 percent of the enrollment, 19.9 percent.

A significant difference between the proportion of total enrollment and the proportion of total expenditures occurs in three instances. In the Great Lakes and Plains region, where enrollment in publicly controlled institutions is 31.5 percent of the total for the United States in that category of institutions, the percentage of expenditures to total expenditures is 45.1. On the other hand, enrollment in privately controlled institutions in the same region (Great Lakes and Plains) represents 26.9 percent of the total enrollment for the United States in the private category and expenditures only 19.3 percent of the total expenditures made by the privately controlled institutions throughout the United States. In the West and Southwest region, for publicly controlled institutions, the percentage of total expenditures is 22.3, or 11.3 percentage points below the percentage (33.6) which the same region's public enrollment bears to the total United States public enrollment.

New Construction by State

The Office requested that the data on construction expenditures include square-foot areas. For some institutions, however, area information was not given in the replies. Hence, tables 7 and 8 of the present publication, showing per-square-foot cost of new construction, were necessarily compiled by eliminating those projects for which area information was not furnished. The total cost for new construction of approximately $551 million shown in table 7 is therefore less than the total cost of approximately $585 million shown in table 1, which (since it is not concerned with square-foot costs) includes cost figures reported for all new construction projects.

Although one might expect to find the greatest amount of construction in States having the largest student population, the rate of population growth in any area must also be considered in analyzing its building program. In proportion to current student population,[3/] the States reporting an unusually large amount of new construction completed and the cost per student were the following: Alaska, $406; Connecticut, $251; Delaware, $516; District of Columbia, $349; Florida, $401; Indiana, $359; Michigan, $335; Minnesota, $299; and South Carolina, $294.

States not reporting any new construction of higher education facilities completed in fiscal 1958-59 were Hawaii, Nevada, and Wyoming. During that year States reporting new construction completed only by publicly controlled institutions were Alaska, Arizona, Delaware, Idaho, Montana, New Mexico, and North Dakota.

Among the States having large student populations but reporting a relatively small number of completions in 1958-59 were the following, with cost per student: Alabama, $68; Maryland, $66; New Jersey, $75; North Carolina, $63; Oklahoma, $75; Oregon, $50; Pennsylvania, $87; and West Virginia, $99. It is recognized that a special construction program authorized by a State legislature for its State institutions may produce, upon the total construction activities of that State, a marked effect which might not be repeated within several years. Thus, in any one year such as 1958-59, a given State may deviate widely from its general pattern.

3/ Enrollment figures used here were taken from Opening (Fall) Enrollment in Higher Education, 1958: Institutional Data (Circular No. 544). Diane B. Gertler and Hazel C. Poole. U. S. Department of Health, Education, and Welfare, Office of Education. Washington: U. S. Government Printing Office, 1959. 33 p.

Expenditures by Function

Below is a detailed list of new construction and rehabilitation projects, divided into five functional classes, with number of projects and amounts expended in 1958-59. (A list of individual projects appears in the appendix, along with similiar lists of new construction projects for the 2 previous years.)

Type	Number	Cost
INSTRUCTIONAL		
Total	392	$258,474,000
Academic buildings	195	132,819,000
Educational laboratories	15	11,804,000
Fieldhouses	9	3,145,000
Gymnasiums	32	23,268,000
Home-management laboratories	5	166,000
Instructional laboratories	64	42,527,000
Libraries	52	29,506,000
Museums	1	379,000
Swimming pools	5	1,340,000
Teaching hospitals	3	10,745,000
Other	11	2,775,000
RESEARCH		
Total	98	37,726,000
Agricultural	41	7,250,000
Astronomy	1	93,000
Biology	12	7,289,000
Chemistry	7	3,940,000
Dentistry	1	120,000
Engineering	12	4,787,000
Mathematics and statistics	2	1,502,000
Medical	8	7,191,000
Other physical sciences	2	1,450,000
Physics	8	3,198,000
Social sciences	4	906,000
GENERAL		
Total	149	$59,695,000
Administration	24	9,067,000
Auditoriums	12	3,831,000
Chapels	11	3,940,000
Extension service and experiment stations	2	554,000
Faculty clubs	6	2,553,000
Garages	2	503,000
Maintenance buildings	16	5,082,000
Multipurpose buildings	15	9,792,000
Nonteaching hospitals	6	6,540,000
Office buildings	11	2,742,000
Power and heating plants	21	8,249,000
Stadiums	6	3,503,000
Theaters	3	1,370,000
Warehouses	9	1,060,000
Other	5	945,000
RESIDENTIAL [4/]		
Total	360	$221,972,000
Faculty apartment buildings	14	2,375,000
Faculty-staff houses	1[illegible]	623,000
Fraternity and sorority houses	9	1,946,000
Hotel-type accommodations	1	1,252,000
Married students' apartment buildings	43	29,496,000
Men's residence halls	133	99,859,000
Presidents' homes	7	519,000
Residence halls with separate units for men and for women	8	6,741,000
Women's residence halls	124	79,000,000
Other	5	161,000
OTHER AUXILIARY ENTERPRISES [4/]		
Total	112	47,625,000
College unions	52	27,677,000
Food facilities	42	17,056,000
Student health infirmaries	10	2,095,000
Other buildings	8	797,000
GRAND TOTAL	1,111	$625,492,000

4/ Data for residential facilities are segregated from data for other auxiliary enterprise facilities for purpose of analysis, in conformance with the pattern used throughout the College and University Facilities Survey series, a 5-part study by the Office of Education now in process.

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Table 4a shows the distribution of all new construction and rehabilitation projects by main functional purpose. The year's effort in the area of facilities totaled 1,111 projects, of which 639 were related to instructional, research, and general functions, and 472 to residential and other auxiliary functions. The latter categories are usually associated with self-liquidating projects. In dollars, the distribution was $356 million for instructional, research, and general facilities, and $270 million for residential and other auxiliary functions.

Of the 619 projects reported by public (publicly controlled) institutions, 385, costing $231 million, were instructional, research, or general facilities; and 234, costing $172 million, were residential and other auxiliary types. In the case of private (privately controlled) institutions, of the total 492 projects, 254, costing $125 million, were instructional, research, or general facilities; and 238, costing $97 million, were residential or other auxiliary types.

Table 4b shows the functional distribution, by percent of total, for all new construction and rehabilitation expenditures and for public and private institutions separately. From this table it is seen that public institutions spent more in proportion to the totals for instructional facilities and less for research facilities than did private institutions.

New Construction Costs per Student

In order to relate per-student expenditures for new physical facilities in the 1958-59 fiscal year to the categories of control and functional type, the amounts involved in each case have been divided by enrollment to arrive at an approximate per-student figure. The results are shown in table 4c. It should be kept in mind that expenditures per student in this context reflect expenditures and enrollment only for the year of project completion; expenditures for projects completed for any one year have no high degree of relevance to the enrollment for that year.

Public institutions spent more per student than did private for total functional types ($222 vs. $177). The difference lies (1) in instructional, research, and general types, where the combined per-student expenditures were $124 for public institutions and $94 for private; and (2) in the residential type, where the amount was $83 for public and $65 for private institutions. For the other auxiliary type, the amount was $15 for public institutions and $17 for private.

New Construction Costs per Project

A computation of the average cost per project can have only a limited and general significance, since the individual projects vary so greatly within each functional group. (See table 4d.)

Moreover, the generally higher cost of buildings completed by public institutions points up the fact that these institutions, enrolling more students on the average than do private institutions, tend to construct larger buildings. Among the responding public institutions the average 1958-59 enrollment was 2,924; among the private, 1,278.

In public institutions the highest cost per building appears in the residential category and the lowest in other auxiliary types. Among private institutions, instructional, research, and general buildings cost the most. From other tables it would appear that the cost of research facilities was responsible for raising this average.

Sources of Funds

In this study it has been considered that the respective percentages of funds obtained for construction and rehabilitation projects completed in 1958-59 from each of the listed sources are more significant than are the gross dollars. However, a few gross amounts reported are worthy of note for the sake of perspective. (See table 5.)

Of the $404 million reported by the public institutions responding, $162 million came from State governmental appropriations, $127 million from the sale of revenue bonds (including over $91 million to the Housing and Home Finance Agency--"HHFA"), $29 million from State general obligation bonds, and $11 million from gifts and grants. Borrowings from private and commercial sources accounted for $15 million, and $9 million came from current funds. Direct tax levies by State and local governmental bodies together supplied $13 million.

The responding private institutions completed buildings costing $222 million. Gifts and grants provided $92 million of the total. Revenue bonds amounting to $58 million ($57 million from HHFA) were the next most productive source. Current funds provided $18 million. Borrowings from

private and commercial sources provided $16 million, and $11 million came from institutional endowment funds.

Principal sources for all institutions combined, in the order of amount, were the following:

Revenue Bonds (including HHFA $149,167,000)	$185,008,000
State government appropriations	162,274,000
Gifts and grants	102,762,000
Borrowings from private and commercial sources	30,521,000
State general obligation bonds	29,337,000
Current funds	27,535,000
Investment of endowment funds ($11,746,000) or borrowing from other college funds	24,064,000
Federal appropriations	12,428,000

It should be kept in mind that dollar figures reported as spent for new construction and rehabilitation for projects completed in the fiscal 1958-59 do not necessarily represent the income in that year for capital purposes. The year of the collection of the funds or sale of obligation paper was very probably 1 to 3 years before the project was completed.

Fund Sources for Publicly Controlled Institutions--Percentages

Table 6 shows that public institutions leaned most heavily upon governmental appropriations (State, local, and Federal) as a source of facilities funds: 43.2 percent of total funds. (State appropriations alone provided 40 percent.) Revenue bonds were second--31.4 percent (HHFA advanced 22.6 percent and other revenue bonds accounted for 8.7 percent). General obligation bonds issued at State, local, or institutional level provided 11.3 percent. Only 2.3 percent came from current operating funds. Gifts and grants in the case of public institutions did not prove productive, showing only 2.8 percent. Borrowings from commercial and private sources produced 3.7 percent.

As to specific functional purposes, there is a distinctive pattern of use of sources which differentiates instructional, research, and general projects from residential and other auxiliary projects. These latter projects are heavily representative of self-liquidating and self-supporting activities and, as would be expected, are funded largely through revenue bonds.

For instructional, research, and general facilities--the heart of any college or university--public institutions derived 68.2 percent from governmental appropriations, including 63.4 percent from State sources. The only other significant source was general obligation bonds to the extent of 12.5 percent. Gifts and grants provided 4.1 percent and direct tax levies 5.0 percent.

For residential facilities, revenue bonds provided 73.4 percent of the funds for projects completed by public institutions in fiscal 1958-59, including 57.1 percent advanced by HHFA. Revenue bonds provided 39.5 percent of the amount for other auxiliary facilities completed that year, including 29.8 percent from HHFA. Other auxiliary facilities (college union, food service facilities, infirmaries, printshop, bookstore, and other) received 22.4 percent of total funds from governmental appropriations (including 19.9 percent from State appropriations) and 13.2 percent from general obligation bonds.

Fund Sources for Privately Controlled Institutions--Percentages

Table 6 shows that governmental appropriations, taxes, and general obligation bonds played almost no part in funding projects for facilities in private institutions, though Federal appropriations did provide 4.0 percent. This percentage represents, in the main, (1) appropriations to Howard University and (2) appropriations for research facilities in certain other private institutions.

The private institutions depended upon the generosity of donors through gifts and grants to the extent of 41.3 percent. The only other significant single source was revenue bonds: 26.3 percent, almost entirely HHFA. Current funds provided 8.2 percent, and borrowings from private and commercial sources 7.1 percent.

For instructional, research, and general facilities as a group, private institutions derived 61.0 percent of their funds from gifts and grants and 11.5 percent from current funds. Federal appropriations provided 5.7 percent.

For residential facilities in these institutions, revenue bonds provided 64.3 percent of the funds, all from HHFA. Other sources for residential

facilities were gifts and grants, 13.1 percent; borrowing from private and commercial sources, 7.0 percent; and investment of, or borrowing from, endowment funds, 4.2 percent. For other auxiliary facilities, 43.3 percent of the funds came from the sale of revenue bonds, mostly to HHFA. Sources other than revenue bonds included gifts and grants, 27.4 percent; borrowing from private and commercial sources, 13.0 percent; and current funds, 7.2 percent.

Unit Costs

One of the first questions asked when a new facility enters the planning stage is, "What will it cost?" Only after careful analysis of detailed plans and specifications can a reliable estimate be projected, and only after qualified bids are offered can there be any degree of certainty as to the ultimate cost of a new building. Past experience or the averages of other institutions, however, can provide approximate cost ranges helpful for rough estimates.

In the 1958-59 fiscal year, 884 new construction projects were reported as completed, and both the cost and the square feet of floor area were reported for 796 of these. The projects were distributed among all the major geographic regions and presumably were representative of that year's construction activities as to distribution between public and private institutions and among the major functional categories. (Two possible exceptions will be commented upon.) Tables 7 and 8 were prepared from the information reported. Cost figures exclusive of equipment and furnishings, unless built-in, were requested. (For normative purposes an average unit-cost figure derived from a relatively large number of projects would usually be preferred to one derived from a very few projects. For certain selected functional types table 8 includes the number of projects.)

In the main, large institutions tend to build large buildings of a given type or function, and small institutions tend to build more modestly. Other factors being equal, the per-square-foot cost of a large building tends to be less than the per-square-foot cost of a small building, because the large one has more square feet in which to absorb the fixed-cost items, such as moving construction equipment to and from the site, testing and subsurface conditions, etc. Since nonresponding institutions averaged an enrollment less than half that of responding institutions, it may be that a true average cost per square foot for all construction would be slightly higher than the average reported here. In spite of such variations, the cost per square foot is the unit cost most readily amenable to valid analysis. Since a major portion of the large institutions are in the public category, a tendency toward lower per-square-foot cost in the construction of facilities in those institutions can be expected. Table 7 indicates that new construction in private institutions cost $20.30 per square foot as against $18.40 per square foot in public institutions.

For three of the five functional categories, the ratio between per-square-foot costs of public vs. private construction is similar to that for the total of all functional types, public vs. private. The two other categories, research and instructional, show variations. In the former the variation is considerable: $29.20 per square foot for private and $19.40 for public. Individual projects at the public institutions showed a preponderance of farm buildings for agricultural research and several warehouses in connection with atomic research facilities. The nature of those structures is such as to contribute to low per-square-foot cost.

For instructional facilities, the higher per-square-foot cost in public institutions ($20.30 vs. $19.20 private) is contrary to the general trend and appears mostly in one region, the North Atlantic. There, the enrollment-size ratio between public and private institutions varies from the pattern for the remainder of the country.

In the aggregate, unit cost for new research facilities was higher than for any other functional type: $24 per square foot. Next, in descending order, were general, $22.70; other auxiliary, $20.30; instructional, $20; and residential, $16.70. A slight variation occurs in the order of unit cost when public and private institutions are ranked separately by function: Public - general, $21.30; instructional, $20.30; other auxiliary, $19.80; research, $19.40; and residential, $16; and private - research, $29.20; general, $24.50; other auxiliary, $21.10; instructional, $19.20; and residential, $18.20.

Upon analysis of 18 specific functional types of buildings (none of them in the research category, for aggregate unit costs, hospitals (both teaching and nonteaching) are seen as the most expensive

type of facility on a per-square-foot basis: $24.60 for the former and $25.40 for the latter. The number of projects was limited, however, to two teaching and three nonteaching hospitals. (See table 8.) Infirmaries ($23.30 per square foot) are next highest, followed by food facilities ($23.10). In the instructional group, instructional laboratories ($22.90) were found to be the most costly of the three types specifically computed. Forty-two college unions completed that year carried a fairly moderate price tag of $18.90 per square foot.

The relatively low unit cost of constructing apartment buildings ($15.40 per square foot for faculty apartments and $13.70 for apartments for married students), as compared to dormitories ($17.80 for men's and $16.80 for women's), may occasion some surprise. The relative cost per occupant, however, might be a very different story. The number of projects in the faculty apartment group is rather sparse to serve as a basis for generalization, but the other types are well represented.

The one project in the hotel type of accommodation cost $20.20 per square foot. Eight fraternity and sorority houses cost an average of $13.80 per square foot.

Regional Variations.--It is obvious that the lower the cost per square foot, the greater the number of square feet that can be provided for the same number of dollars. For the functional types listed in table 8, regional unit costs show a consistent pattern only in that the Southeast generally reported lower cost figures in categories wherein there was a sufficient number of projects from which to generalize. In the aggregate, it may be said that colleges and universities of the Southeast appear to have obtained 20 to 25 percent more square feet of area for the same number of construction dollars than did the country as a whole. Exceptions were few. One occurred in married students' housing, for which the West and Southwest region had slightly lower unit costs. Also, when public institutional unit costs were studied separately by regions, libraries in the North Atlantic and in the Great Lakes and Plains showed lower unit cost figures than the comparable figures for the Southeast region. These were also limited in number. The third exception was that unit costs of married students' apartments and of college unions were slightly lower for public institutions in the West and Southwest region than in the Southeast.

Further, in private institutions, instructional laboratories in the West and Southwest region showed lower unit costs than did those of the Southeast. Finally, in women's residence halls and infirmaries, the Great Lakes and Plains region obtained more square feet per dollar spent than did the Southeast.

Rehabilitation in General

Because of the tremendous variations in degree and scope, rehabilitation projects do not lend themselves to meaningful analysis and unit-cost computations. However, a few items of interest may be gleaned from the gross data.

Of the reported gross dollars, $40,750,000, for rehabilitation in 1958-59, over 54 percent, or $22,322,000, was spent by private institutions. (See table 9.) The North Atlantic region was the only region in which private institutions spent more for rehabilitation projects than did public: $15,084,000 as compared to $1,802,000. Over 67 percent of all private rehabilitation funds were spent in the North Atlantic region. This region has 490 private institutions as against 125 public, and numbered among them are many of the earliest colleges and universities of the Nation. It is not difficult to rationalize the need for modernizing the interiors of their older structures while maintaining the same exterior appearance remembered by generations of students.

By percentages, buildings in the instructional, research, and general functional categories received 83.4 percent of the aggregate rehabilitation funds in 1958-59; residential facilities received 11.8 percent; and other auxiliary facilities the remaining 4.8 percent. (See table 10.)

Among public institutions, 84.8 percent of the rehabilitation funds were spent for instructional, research, and general facilities; 7.9 percent for residential facilities; and 7.3 percent for other auxiliary facilities. Private institutions distributed their rehabilitation funds slightly differently: 82.3 percent for instructional, research, and general facilities; 14.7 percent for residential facilities; and 3.0 percent for other auxiliary facilities. The distribution pattern of rehabilitation expenditures for instructional, research, and general facilities for the North Atlantic region was unique as to division between public and private institutions, expenditures by the latter

group in this region exceeding those by the former by a ratio of 7 to 1, or $12,168,000 to $1,730,000.

Unit Costs.--Several complex factors may be involved in a decision concerning the proposed rehabilitation of an old structure. What are the alternatives? (1) Raze it and build something new? (2) Use it with as little further investment as possible until it is no longer usable? (3) Abandon it? If the building has structural value and is amenable to rehabilitation, several more decisions must be made. Should it be enlarged by adding a new section or sections? Are there traditional or sentimental values to be preserved in its design? How much changing of partitions is desirable? What is a fair basis on which to compare the unit cost of rehabilitation with that of a new structure? The estimated (or bid) cost of rehabilitation as compared with the reasonably expected cost of a new structure is likely to be a factor in any decision. Yet the lower cost per square foot of floor area for a rehabilitated structure may promise only a 20-year extension of its life as compared with a 50-year probability for a new structure, and a new structure might be built to serve better the specific need.

Among rehabilitation projects there is more legitimate variation in unit costs than there is among new construction projects. A rehabilitation project may range from merely an elaborate floor refinishing, painting, and reroofing job to a complete gutting of the old structure, preserving only the classic exterior. In the latter case, the unit cost may well be higher than would be required to provide the same space in a totally new structure.

A certain amount of modernization is inevitable in every rehabilitation project. Except in case of fire or storm damage, the work is never limited to a restoration to original condition. For one thing, new fixtures, both lighting and plumbing, tend to achieve new standards of building codes. Air-conditioning is sometimes feasible. Hazards to safety and health are eliminated.

The national average per-square-foot cost of all 1958-59 rehabilitation projects reported by both public and private institutions for all types of functions, in all regions, was $7.50. (See table 11.) A similar aggregate computation for all new construction for the same year yielded a cost figure of $19 per square foot. Thus, for rough projection purposes until more definitive estimates can be achieved, it is permissible to generalize that rehabilitation unit costs may be about 40 percent as expensive as new construction unit costs for a building of comparable size. Again, as for new construction, rehabilitation projects not submitting area information were necessarily omitted in computing average per-square-foot costs.

Summary

New construction and rehabilitation projects completed in fiscal 1958-59 by public institutions having 93.4 percent of the total enrollment of all public institutions and by private institutions having 82.5 percent of the total enrollment in all private institutions amounted to over $625 million. Of this, $585 million was spent for new facilities and $41 million for rehabilitation. The number of projects reported was 1,111.

By functional category, $258 million was spent on instructional buildings, $38 million on research facilities, $60 million on general facilities, $222 million on residential facilities, and $48 million on other auxiliary facilities. By control category, $404 million was spent by public institutions and $222 million by private. These amounts represent an average of $222 per student in the former and $177 in the latter, based on 1958 fall enrollment figures.

In terms of percent of the total, public institutions (with 60.6 percent of the total enrollment of responding institutions) spent 65.9 percent of the expenditures for new construction but only 45.2 percent of the expenditures for rehabilitation. Private institutions (with 39.4 percent of the total enrollment of all responding institutions) spent 34.1 percent of the new construction funds and 54.8 percent of the rehabilitation funds. The North Atlantic private institutions spent $15 million for rehabilitation, or 67.6 percent of money spent for that purpose by the private institutions in all regions.

As to sources of funds for buildings completed in 1958-59, public institutions obtained the funds for instructional, research, and general facilities from State or local governmental appropriations to the extent of 68.2 percent. For residential buildings, 73.4 percent of the funds came from revenue bonds; and for other auxiliary facilities, 39.5 percent came from revenue bonds and 22.4

percent from governmental appropriations.

In private institutions, 61.0 percent of the funds for instructional, research, and general facilities came from gifts and grants and 11.5 percent from current funds. For residential buildings, 64.3 percent was derived from revenue bonds, all from the College Housing Loan Program. For other auxiliary facilities, 43.3 percent of the funds came from revenue bonds, and 27.4 percent from gifts and grants.

For total new construction which reported square feet of floor area, the average per-square-foot cost was $19. In public institutions the overall average cost per square foot was $18.40, and in private institutions, $20.30. The aggregate average cost per square foot of instructional classroom space was $20; of residential facilities, $16.70; and of other auxiliary facilities, $20.30. The principal regional characteristic was that in the Southeast, generally speaking, one-fifth to one-fourth more space could be provided for the same amount of construction funds.

Rehabilitation projects showed an aggregate per-square-foot cost of $7.50, which is approximately 40 percent of the cost per square foot of new construction.

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Table 1.--Expenditures for new construction and rehabilitation completed, by region and control: 1958-59

(In thousands of dollars)

Region	New construction and rehabilitation			New construction			Rehabilitation		
	Total	Public	Private	Total	Public	Private	Total	Public	Private
Total	$625,492	$403,732	$221,760	$584,742	$385,304	$199,438	$40,750	$18,428	$22,322
Region 1 North Atlantic	166,711	57,087	109,624	149,825	55,285	94,540	16,886	1,802	15,084
Region 2 Great Lakes and Plains	224,883	182,150	42,733	214,351	175,481	38,870	10,532	6,669	3,863
Region 3 Southeast	107,178	73,369	33,809	101,732	69,218	32,514	5,446	4,151	1,295
Region 4 West and Southwest	125,715	90,121	35,594	118,031	84,517	33,514	7,684	5,604	2,080
Outlying Parts	803	803	-	803	803	-	-	-	-
U.S. Service Academies	202	202	-	-	-	-	202	202	-

Table 2.--Percentage distribution of expenditures for new construction and rehabilitation completed, by region and control: 1958-59

Region	New construction and rehabilitation			New construction			Rehabilitation		
	Total	Public	Private	Total	Public	Private	Total	Public	Private
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Region 1 North Atlantic	27.7	14.1	49.4	26.6	14.3	47.4	43.2	9.8	67.6
Region 2 Great Lakes and Plains	35.2	45.1	19.3	35.9	45.5	19.5	25.3	36.2	17.3
Region 3 Southeast	17.0	18.2	15.2	17.4	18.0	16.3	12.9	22.5	5.8
Region 4 West and Southwest	19.9	22.3	16.1	20.0	21.9	16.8	18.2	30.4	9.3
Outlying Parts	0.1	0.2	0.0	0.1	0.2	0.0	0.0	0.0	0.0
U.S. Service Academies	0.0	0.1	0.0	0.0	0.0	0.0	0.5	1.1	0.0

Because of rounding, detail may not add to totals.

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Table 3.--Enrollment and percentage distribution of expenditures for completed new construction and rehabilitation, by region and control: 1958-59

Region	Enrollment[1/]	Percent					
		Total		Public		Private	
		Enrollment	Expenditures	Enrollment	Expenditures	Enrollment	Expenditures
Total - - - -	2,862,729						
Region 1 North Atlantic -	804,987	28.1	27.7	15.6	14.1	47.4	49.4
Region 2 Great Lakes and Plains- - -	848,846	29.7	35.3	31.5	45.1	26.9	19.3
Region 3 Southeast- - - -	469,760	16.4	17.0	19.3	18.2	12.0	15.2
Region 4 West and Southwest - - -	739,136	25.8	19.9	33.6	22.3	13.8	16.1

[1/] Enrollments are for responding institutions only and are based on data reported in U S Office of Education Circular No. 544 Opening (Fall) Enrollment in Higher Education, 1958: Institutional Data. The U.S. Service Academies and colleges and universities in the outlying parts are excluded since there were too few of them to permit meaningful comparisons.

Because of rounding, detail may not add to totals.

Table 4a.--New construction and rehabilitation projects completed, by functional type and control: Aggregate United States, 1958-59

(In thousands of dollars)

Type	Total		Public		Private	
	No. of projects	Amount	No. of projects	Amount	No. of projects	Amount
Total	1,111	$625,492	619	$403,732	492	$221,760
Instructional, research, and general	639	355,895	385	231,273	254	124,622
Instructional	392	258,474	243	185,382	149	73,092
Research	98	37,726	64	15,436	34	22,290
General	149	59,695	78	30,455	71	29,240
Residential	360	221,972	176	145,218	184	76,754
Other auxiliary	112	47,625	58	27,241	54	20,384

4b.--Percentage distribution of total new construction and rehabilitation expenditures, by functional type and control: Aggregate United States, 1958-59

Type	Total	Public	Private
Total	100.0	100.0	100.0
Instructional, research, and general	56.9	57.3	56.2
Instructional	41.3	45.9	33.0
Research	6.0	3.8	10.1
General	9.5	7.5	13.2
Residential	35.5	36.0	34.6
Other auxiliary	7.6	6.7	9.2

Because of rounding, detail may not add to totals.

4c.--Number of new construction projects completed and total and per-student cost,[1/] by functional type and control: Aggregate United States, 1958-59

Type	Total			Public			Private		
		Cost			Cost			Cost	
	No. of projects	Total	Per student	No. of projects	Total	Per student	No. of projects	Total	Per student
Total	884	$584,742,000	$204	532	$385,304,000	$222	352	$199,438,000	$177
Instructional, research, and general	486	321,881,000	112	318	215,641,000	124	168	106,240,000	94
Residential	307	217,241,000	76	165	143,767,000	83	142	73,474,000	65
Other auxiliary	91	45,620,000	16	49	25,896,000	15	42	19,724,000	17

[1/] The opening fall enrollment, 1958, in the institutions reporting was the following: Total, 2,862,729; public, 1,734,174; private, 1,128,555.

Because of rounding, detail may not add to totals.

4d.--Number, total cost, and average cost per project of new construction completed, by functional type and control: Aggregate United States, 1958-59

Type	Total			Public			Private		
	Number	Cost in thousands	Cost per project	Number	Cost in thousands	Cost per project	Number	Cost in thousands	Cost per project
Total	884	$584,742	$661,473	532	$385,304	$724,256	352	$199,438	$566,585
Instructional, research, and general	486	321,881	662,307	318	215,641	678,116	168	106,240	632,381
Residential	307	217,241	707,625	165	143,767	871,315	142	73,474	517,423
Other auxiliary	91	45,620	501,319	49	25,896	528,490	42	19,724	469,619

Table 5.--Amount of funds for new construction and rehabilitation completed, by source, functional type, and control: Aggregate United States, 1958-59

(In thousands of dollars)

Source of funds	All types			Instructional, research, and general			Residential			Other auxiliary		
	Total	Public	Private	Total	Public	Private	Total	Public	Private	Total	Public	Private
Total	$625,492	$403,732	$221,760	$355,895	$231,273	$124,622	$221,972	$145,218	$76,754	$47,625	$27,241	$20,384
Total government appropriation	184,248	174,519	9,729	165,694	157,799	7,895	12,465	10,631	1,834	6,089	6,089	-
State	162,274	161,524	750	147,408	146,658	750	9,433	9,433	-	5,433	5,433	-
Local	9,546	9,546	-	8,943	8,943	-	-	-	-	603	603	-
Federal	12,428	3,449	8,979	9,343	2,198	7,145	3,032	1,198	1,834	53	53	-
Total tax levy	13,250	13,250	-	11,662	11,662	-	725	725	-	863	863	-
State	6,890	6,890	-	6,185	6,185	-	705	705	-	-	-	-
Local	6,360	6,360	-	5,477	5,477	-	20	20	-	863	863	-
Total general obligation bonds	48,042	45,732	2,310	29,798	28,863	935	14,656	13,281	1,375	3,588	3,588	-
Local government	11,412	11,412	-	9,980	9,980	-	280	280	-	1,152	1,152	-
State government	29,337	29,337	-	15,028	15,028	-	12,873	12,873	-	1,436	1,436	-
State authority	-	-	-	-	-	-	-	-	-	-	-	-
Institution	7,293	4,983	2,310	4,790	3,855	935	1,503	128	1,375	1,000	1,000	-
Total revenue bonds	185,008	126,735	58,273	9,523	9,423	100	155,892	106,543	49,349	19,593	10,769	8,824
Other than HHFA	35,841	35,321	520	9,197	9,097	100	23,584	23,584	-	3,060	2,640	420
HHFA	149,167	91,414	57,753	326	326	-	132,308	82,959	49,349	16,533	8,129	8,404
Total other sources	194,944	43,496	151,448	139,218	23,526	115,692	38,234	14,038	24,196	17,492	5,932	11,560
Gifts and grants	102,762	11,147	91,615	85,366	9,399	75,967	10,407	341	10,066	6,989	1,407	5,582
Current funds	27,535	9,288	18,247	20,166	5,891	14,275	4,011	1,508	2,503	3,358	1,889	1,469
Endowment funds	11,746	1,007	10,739	7,733	945	6,788	3,273	62	3,211	740	-	740
Borrowing from other college funds	12,318	3,397	8,921	7,833	1,897	5,936	2,650	610	2,040	1,835	890	945
Borrowing from private and commercial sources	30,521	14,848	15,673	9,992	2,350	7,642	16,686	11,313	5,373	3,843	1,185	2,658
Other	10,062	3,809	6,253	8,128	3,044	5,084	1,207	204	1,003	727	561	166

Table 6.--Percentage distribution of funds for new construction and rehabilitation completed, by source, functional type, and control: Aggregate United States, 1958-59

Source of funds	All types			Instructional, research, and general			Residential			Other auxiliary		
	Total	Public	Private	Total	Public	Private	Total	Public	Private	Total	Public	Private
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total government appropriation	29.5	43.2	4.4	46.6	68.2	6.3	5.6	7.3	2.4	12.8	22.4	0.0
State	25.9	40.0	0.3	41.4	63.4	0.6	4.2	6.5	0.0	11.4	19.9	0.0
Local	1.5	2.4	0.0	2.5	3.9	0.0	0.0	0.0	0.0	1.3	2.2	0.0
Federal	2.0	0.9	4.0	2.6	1.0	5.7	1.4	0.8	2.4	0.1	0.2	0.0
Total tax levy	2.1	3.3	0.0	3.3	5.0	0.0	0.3	0.5	0.0	1.8	3.2	0.0
State	1.1	1.7	0.0	1.7	2.7	0.0	0.3	0.5	0.0	0.0	0.0	0.0
Local	1.0	1.6	0.0	1.5	2.4	0.0	0.0	0.0	0.0	1.8	3.2	0.0
Total general obligation bonds	7.7	11.3	1.0	8.4	12.5	0.8	6.6	9.1	1.8	7.5	13.2	0.0
Local government	1.8	2.8	0.0	2.8	4.3	0.0	0.1	0.2	0.0	2.4	4.2	0.0
State government	4.7	7.3	0.0	4.2	6.5	0.0	5.8	8.9	0.0	3.0	5.3	0.0
State authority	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Institution	1.2	1.2	1.0	1.3	1.7	0.8	0.7	0.1	1.8	2.1	3.7	0.0
Total revenue bonds	29.6	31.4	26.3	2.7	4.1	0.1	70.2	73.4	64.3	41.1	39.5	43.3
Other than HHFA	5.7	8.7	0.2	2.6	3.9	0.1	10.6	16.2	0.0	6.4	9.7	2.1
HHFA	23.8	22.6	26.0	0.1	0.2	0.0	59.6	57.1	64.3	34.7	29.8	41.2
Total other sources	31.2	10.8	68.3	39.1	10.2	92.8	17.2	9.7	31.5	36.7	21.8	56.7
Gifts and grants	16.4	2.8	41.3	24.0	4.1	61.0	4.7	0.2	13.1	14.7	5.2	27.4
Current funds	4.4	2.3	8.2	5.6	2.5	11.5	1.8	1.0	3.3	7.1	6.9	7.2
Endowment funds	1.9	0.2	4.8	2.2	0.4	5.4	1.5	0.0	4.2	1.6	0.0	3.6
Borrowing from other college funds	2.0	0.8	4.0	2.2	0.8	4.8	1.2	0.4	2.7	3.9	3.3	4.6
Borrowing from private and commercial sources	4.9	3.7	7.1	2.8	1.0	6.1	7.5	7.8	7.0	8.1	4.4	13.0
Other	1.6	0.9	2.8	2.3	1.3	4.1	0.5	0.1	1.3	1.5	2.1	0.8

Because of rounding, detail may not add to totals.

Table 7.--Cost, square feet, and cost per square foot of new construction completed, by functional type and control: Aggregate United States, 1958-59

(Dollars in thousands; square feet in hundreds)

Type	Total			Public			Private		
	Cost	Square feet	Cost per square foot	Cost	Square feet	Cost per square foot	Cost	Square feet	Cost per square foot
Total	$550,832[1/]	289,979	$19.00	$363,235	197,363	$18.40	$187,597	92,616	$20.30
Instructional	221,380	110,506	20.00	161,833	80,599	20.30	57,547	29,907	19.20
Research	35,771	14,884	24.00	15,131	7,804	19.40	20,640	7,080	29.20
General	43,953	19,340	22.70	22,638	10,640	21.30	21,315	8,700	24.50
Residential	208,660	125,057	16.70	139,327	87,033	16.00	69,333	38,024	18.20
Other auxiliary	41,068	20,192	20.30	22,306	11,287	19.80	18,762	8,905	21.10

[1/] Excludes new construction for which area was not reported.

Table 8.--Cost per square foot for selected types of new construction

Type of project	Total[1/]					North Atlantic				
	Total	Public		Private		Total	Public		Private	
	Square foot cost	No.	Square foot cost	No.	Square foot cost	Square foot cost	No.	Square foot cost	No.	Square foot cost
Instructional classrooms	$20.00	88	$20.30	44	$19.30	$24.70	9	$30.50	20	$20.60
Libraries	17.70	20	16.10	14	20.80	19.00	4	14.50	6	22.10
Instructional laboratories	22.90	32	23.30	11	21.60	25.10	3	17.90	3	26.70
Teaching hospitals	24.60	1	24.00	1	45.00	45.00	-	-	1	45.00
Faculty apartments	15.40	6	15.70	3	14.60	16.90	4	16.30	1	19.50
Faculty and staff houses	16.70	3	16.70	3	16.70	18.00	2	19.80	3	16.70
Fraternity houses	13.80	6	12.90	2	17.40	14.00	1	9.80	1	16.80
Hotel type accommodations	20.20	-	-	1	20.20	-	-	-	-	-
Married student apartments	13.70	23	13.40	16	16.70	17.80	-	-	1	17.80
Men's residence halls	17.80	60	17.10	45	19.50	21.40	8	16.10	12	23.50
Women's residence halls	16.80	49	16.50	49	17.30	19.30	15	18.50	12	20.60
President's home	15.90	2	15.90	4	15.80	16.40	-	-	3	16.40
Residence halls with separate units for men and for women	16.80	6	16.70	1	17.00	-	-	-	-	-
Other residential	16.10	1	14.10	1	18.30	-	-	-	-	-
College unions	18.90	25	18.40	17	20.00	22.00	2	26.00	6	20.60
Food facilities	23.10	9	24.20	17	22.50	22.30	2	23.70	4	20.70
Infirmaries	23.30	5	23.30	3	22.90	27.10	1	21.90	1	36.40
Hospitals (nonteaching)	25.40	2	25.70	1	25.20	25.20	-	-	1	25.20

1/ Includes the 48 contiguous States and the District of Columbia. The University of Alaska also reported one married student apartment building constructed at an

completed, by region and control: 1958-59

Great Lakes and Plains					Southeast					West and Southwest				
Total	Public		Private		Total	Public		Private		Total	Public		Private	
Square foot cost	No.	Square foot cost	No.	Square foot cost	Square foot cost	No.	Square foot cost	No.	Square foot cost	Square foot cost	No.	Square foot cost	No.	Square foot cost
$20.50	29	$20.40	8	$21.20	$14.70	18	$14.80	8	$14.50	$17.20	32	$16.90	8	$17.70
20.00	3	15.30	3	23.20	15.10	6	15.70	4	12.90	17.30	7	17.40	1	15.00
27.30	8	27.30	-	-	13.80	2	12.40	5	15.30	20.80	19	21.40	3	12.10
-	-	-	-	-	24.00	1	24.00	-	-	-	-	-	-	-
14.30	1	16.00	1	12.30	-	-	-	-	-	11.10	1	7.50	1	13.80
-	-	-	-	-	15.30	1	15.30	-	-	-	-	-	-	-
18.00	-	-	1	18.00	11.50	3	11.50	-	-	14.10	2	14.10	-	-
-	-	-	-	-	-	-	-	-	-	20.20	-	-	1	20.20
14.20	12	13.90	2	20.60	12.80	5	12.80	3	13.20	11.80	5	11.70	10	13.90
18.00	23	18.30	13	16.40	14.40	16	14.30	10	14.60	17.90	12	16.90	10	19.40
16.80	11	17.30	8	14.90	15.20	16	13.90	15	16.50	16.10	7	15.10	14	16.90
-	-	-	-	-	14.70	2	15.90	1	10.00	-	-	-	-	-
19.00	4	19.00	-	-	13.90	2	13.90	-	-	17.00	-	-	1	17.00
-	-	-	-	-	14.10	1	14.10	-	-	18.30	-	-	1	18.30
18.80	12	18.00	2	26.40	17.10	5	17.60	6	16.20	19.70	6	17.10	3	25.30
25.90	3	26.40	7	25.70	16.90	3	20.30	4	15.60	31.60	1	29.50	2	32.60
22.40	1	23.60	1	14.00	18.10	1	19.60	1	15.50	24.40	2	24.40	-	-
25.70	2	25.70	-	-	-	-	-	-	-	-	-	-	-	-

average cost of $26.30 per square foot and one men's residence hall constructed at an average of $24 per square foot.

Table 9.--Amounts spent for rehabilitation of campus facilities, by region, functional type, and control: 1958-59

(In thousands of dollars)

Region	All functions			Instructional, research, and general			Residential			Other auxiliary		
	Total	Public	Private	Total	Public	Private	Total	Public	Private	Total	Public	Private
Total	$40,750	$18,428	$22,322	$34,014	$15,632	$18,382	$4,731	$1,451	$3,280	$2,005	$1,345	$660
Region 1 North Atlantic	16,886	1,802	15,084	13,898	1,730	12,168	2,472	29	2,443	516	43	473
Region 2 Great Lakes and Plains	10,532	6,669	3,863	9,806	6,364	3,442	711	305	406	15	-	15
Region 3 Southeast	5,446	4,151	1,295	3,038	2,183	855	1,450	1,037	413	958	931	27
Region 4 West and Southwest	7,684	5,604	2,080	7,070	5,153	1,917	98	80	18	516	371	145
U.S. Service Academies	202	202	-	202	202	-	-	-	-	-	-	-

Because of rounding, detail may not add to totals.

NOTE: No rehabilitation reported for Outlying Parts.

Table 10.--Percentage distribution of expenditures for rehabilitation, by functional type and control: Aggregate United States, 1958-59

Type	Total	Public	Private
Total	100.0	100.0	100.0
Instructional, research, and general	83.4	84.8	82.3
Residential	11.8	7.9	14.7
Other auxiliary	4.8	7.3	3.0

Table 11.--Number, cost, square feet, and cost per square foot of rehabilitation projects completed, by control: Aggregate United States, 1958-59

Item	Total	Public	Private
Number of projects	177[1/]	62	115
Total cost	$32,216,000	$12,518,000	$19,698,000
Gross square feet	4,305,000	1,786,700	2,518,300
Cost per square foot	$7.50	$7.00	$7.80

1/ Excludes projects for which area was not reported.

Part II

Trends in Campus Construction, 1951-59

A matter of major concern to higher education planners and to national leaders is whether or not projected trends indicate that facilities will be adequate to meet the need for as far ahead as enrollments are projected. In 1958-59, the country's colleges and universities had some unused capacity. Under the normal enrollment attrition between fall and spring such a condition will exist during a portion of each year. It is also true that many fall-term vacancies do not occur in areas and in types of institutions where they may be used by applicants who have been turned away from institutions filled to capacity.

Determining Trends in Campus Construction

On a normal trend chart the general direction of the trend involves not a point on a scale but the direction of a line connecting two or more points established by known or derived statistics at known intervals. In forecasting and projecting an established trend line into the future, one must make assumptions as to the likelihood of the persistence of those forces which determined the past trends. If there has been in the past a repetition of well-defined cycles, the inclination is to project the trend into the future along the course of a similar cycle. This rationalization may be somewhat hazardous, but it is often the only or the best available means by which to pattern one's plans for the future. Each planner will make his own projections.

In order to project current and past trends into the future with any degree of confidence, the known trend data should be such as can be analyzed in at least three frames of reference: (1) the trend in gross dollars distributed among the pertinent categories, (2) the trend of percent relationship which the dollars in each category bear to the total, and (3) the trend on a unit basis, such as a per-student amount, for the purpose of relating one type of growth, such as financial, to enrollment growth. With the trends in all three frames of reference in mind it is possible to obtain what might be called a three-dimensional perspective of the current stage and to estimate the future more perceptively.

In 1956 the Office of Education gathered data covering new construction completed by colleges and universities during the 5-year period 1951 to 1956.[1/] The three Planning and Management Data studies carried forward the reporting of construction data for 1956-59. Although not all of the data for the periods included in these studies are exact counterparts, there are sufficient segments of each data group which are common to all to provide some basis for trend studies from 1951 to 1959 in the main categories. An analysis of reported expenditures in each period, it is believed, produces helpful trend data. (See table 12 and figure 1.)

Aggregate Trends

The curve of campus construction, developed from cost figures of buildings completed during the 8-year period, was somewhat irregular when considered in the aggregate. Table 12 and figure 1 show that total completions in the fiscal 1953-54 construction were curtailed, dropping back from the $336 million in 1952-53 to $292 million. This recession was repeated in 1956-57.

1/ Bokelman, W. Robert, and John B. Rork. College and University Facilities Survey--Part 1: Cost and Financing of College and University Buildings, 1951-55 (Circular No. 540). U. S. Department of Health, Education, and Welfare, Office of Education. Washington: U. S. Government Printing Office, 1959. 53 p.

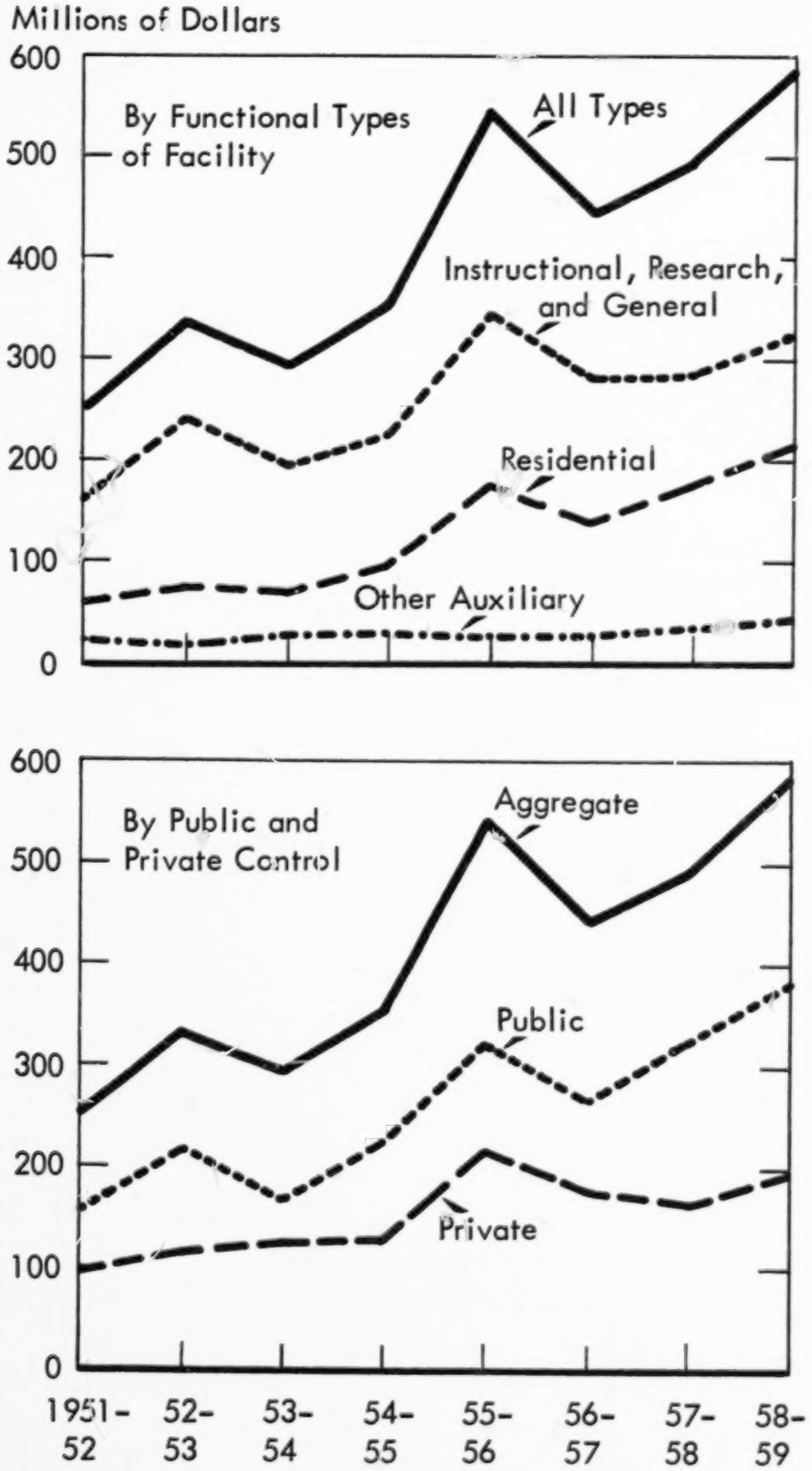

Figure 1.—Trends in dollars spent for new facilities completed, by control and functional type: Aggregate United States, 1951–52 to 1958–59

Since private expenditures taken separately did not reflect the earlier recession, the opinion has been expressed that in the case of public institutions, appropriating bodies were reluctant to approve construction starts during the Korean conflict because of materials restrictions, and that having turned down the requests, they took no further action until the next biennium. Private institutions, on the other hand, were free to start construction whenever they could procure building materials and funds.

By 1954-55, nonveteran enrollments were expanding rapidly, and there was a rush to obtain badly needed facilities as soon as possible. Construction completions shot upward to $544 million in 1955-56. The pace was too rapid to be maintained, and there was a recession to the $444 million level the following year. Thereafter ensued a resumption of more nearly normal facilities expansion.

A comparison of the expenditures for new facilities completed in the 3-year period ending 1958-59 with expenditures for the previous 3-year period shows an increase amounting to 27.9 percent. Enrollments increased [2/] by 24.8 percent during the 3-year period ending 1958-59. When due allowance is made for higher unit costs (construction cost index figures show an increase of about 3 percent per year during recent years) and for the buildings completed which did not add to student capacity because they replaced obsolete and hazardous buildings, it would appear that construction of new facilities did not keep pace with need. This lag cannot be measured with exactness because of the fact that some institutions had, and some still have, unused capacity.

Preliminary examination of the data for the next annual survey in this area indicates an increased total construction figure for 1959-60 completions of $828 million, to continue the upward phase of the new cycle.

Construction trends in gross dollars spent by public institutions showed throughout a greater degree of irregularity than did those of private institutions. The sharp recession between 1952-53 and 1953-54 in the aggregate construction trend line was due entirely to public institutions.

Trends by Functional Category

A trend study of expenditures by functional category, expressed in percentage participation of each category in relation to the total during each year of this study, shows a slight increase in emphasis on the construction of new residence halls, from 27.6 percent to 37.1 percent between 1951 and 1959. (See table 13.) There was a reciprocal decrease in emphasis upon other auxiliary facilities (8.6 percent to 7.9 percent) and upon instructional, research, and general facilities (63.9 percent to 55.0 percent), with indecisive fluctuations during that time.

Publicly Controlled Institutions.--Trends in construction of residential facilities appear to have been somewhat cyclical. From a level of 27.9 percent of the total public expenditure in 1951-52 this type of construction receded to 16.3 percent in 1953-54 and from then through 1958-59 rose irregularly to 37.3 percent. This range of fluctuation amounts to 21.0 percentage points.

In buildings for other auxiliary purposes the range was between 10.8 percent in 1953-54 and 4.2 percent 2 years later, or a fluctuation of 6.6 percentage points. In 1958-59 the percentage was 6.7.

About two-thirds of all construction money as represented in completions by public institutions during this period was for instructional, research, and general facilities. The fluctuation was between 56.0 percent in 1958-59 and 73.4 percent in 1954-55, a range of 17.4 percentage points. The trends here appear to have been irregular.

Privately Controlled Institutions.--A general upward trend appears to have occurred in the proportion devoted to residential construction by private institutions in the 8-year period, although

2/ Opening Enrollment in Higher Educational Institutions: Fall 1957 (Circular No. 518). M. Clemens Johnson and Anne J. Fenton. U. S. Department of Health, Education, and Welfare, Office of Education. Washington: U. S. Government Printing Office, 1958. 48 p. Also Opening (Fall) Enrollment in Higher Education, 1958: Institutional Data (Circular No. 544). Diane B. Gertler and Hazel C. Poole. U. S. Department of Health, Education, and Welfare, Office of Education. Washington: U. S. Government Printing Office, 1959. 33 p.

it was irregular. The low year (15.8 percent of all private construction expenditures) of 1952-53 occurred 1 year earlier than the low year for public institutions, but between 1954-55 and 1957-58 the residential portion was near or above 40 percent of all private construction expenditures. The fact that funds from the College Housing Loan Program became available may account for the increase. In 1958-59 the percentage went down to 36.8.

The reciprocal trend decrease in percentage of total expenditures by private institutions appears in the category of instructional, research, and general facilities. From a high point of 81.2 percent in 1952-53 there were irregular decreases to 53.3 percent in 1958-59. In 1954-55 there was a low participation of 47.8 percent. Trends in other auxiliary function completions have been indecisive.

Per-Student Trends

As might be expected, there is little trend correlation between the expenditure in dollars per student enrolled in the year of project completion and expenditures for facilities completed each year, either in separate functional categories or in the aggregate. (See table 14.)

Extrapolated Figures

Since the percentage response to the data-gathering inquiry for the study has varied from one year to another, it seems desirable to extrapolate each year's response to 100 percent, by enrollment, so as to obtain compatible derivations for trend purposes. This would involve an assumption which some analysts might be reluctant to accept, namely that nonrespondents completed new facilities in the same proportion as respondents, based upon enrollments. Computations show that nonresponding institutions averaged about half the number of students as respondents.

For the benefit of those who feel that some modification of reported figures is due because of variations in percent of response (for instance, 90.9 percent in 1955-56 for private institutions down to 67.4 percent in 1957-58), figures are herewith presented to give three sets of trend data: (1) as reported, (2) extrapolated to 100 percent of enrollment, and (3) with only one-half the degree of extrapolation for the nonresponding institutions. This third set of figures is based on the rationalization that small institutions do not build facilities even to the degree of their proportionate enrollment as compared to large institutions, but instead, build some 50 percent less than the enrollment might indicate.

Expenditures for New Construction: 1951-52 to 1958-59

(In thousands of dollars)

Year	As reported	Extrapolated to 100 percent of enrollment	Modified extrapolation
1951-52 . . .	$250,790	$278,163	$264,477
1952-53 . . .	335,899	372,760	354,330
1953-54 . . .	291,986	323,674	307,830
1954-55 . . .	353,716	392,429	373,091
1955-56 . . .	543,764	602,970	573,367
1956-57 . . .	443,652	545,019	494,336
1957-58 . . .	493,052	666,677	579,865
1958-59 . . .	584,742	654,274	619,508

The principal significance for trend interpretation is that the reported construction trend is upward by 18.6 percent for 1958-59 over 1957-58, whereas the 100-percent enrollment extrapolation figures indicate a cyclical recession of 1.9 percent, typical of previous cycles.

Trends in Fund Sources--Publicly Controlled Institutions

Table 15 and figure 2 show sources by percent participation in the total funds of public and private institutions for four periods covering 1951-59. The gross data for 1958-59 contain expenditures not only for new construction but also for rehabilitation. The effect of this inclusion for that one year only is thought to have little significance as to the distribution of funds by source, unless perhaps to raise slightly the proportion coming from current funds.

Public institutions appear to have had a slight tendency in recent years to depend to a lesser degree than formerly upon governmental appropriations for construction funds, but the indicators are not positive. When one considers total construction funds for all functional types, the down trend from the 1951-56 average of 53.8 percent for appropriations to 43.2 percent in

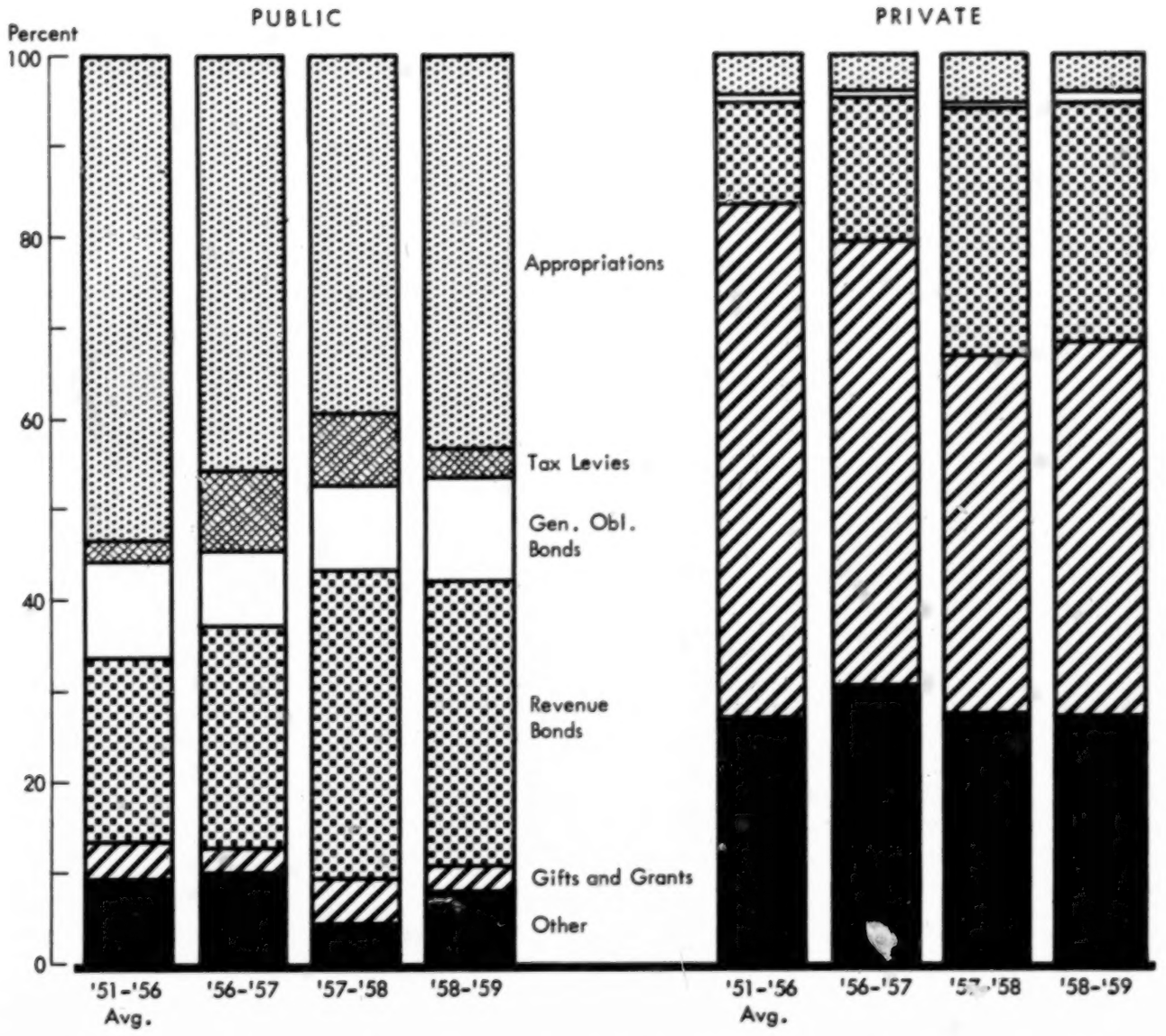

Figure 2.—Trends in sources of funds, by percent and control: Aggregate United States, 1951 to 1959

1958-59 might appear significant; however, the more recent trend from 1957-58 to 1958-59 was a rise of 3.7 percentage points. The question for the future for public institutions is which trend line to project. Inasmuch as all percentage computations of various components to the whole are in a reciprocal relationship, one to the others, it is necessary to look to the performance of other significant sources for further light. In this context, the area offering some illumination is that of revenue bonds.

Revenue bonds as a source of building funds in public institutions rose significantly between 1951-56 and 1957-58, from 20.8 percent to 34.0 percent, and dropped back slightly in 1958-59 to 31.3 percent. Beginning with 1956-57, there was a rapid rise in the proportion originating from the College Housing Loan Program (6.5 percent, 11.3 percent, and 22.6 percent, respectively, for 1956-57, 1957-58, and 1958-59). It would appear that other markets for revenue bonds were drying up or that the interest rate charged by HHFA was favorable as compared with the open market for money.

There may be some significance in the decrease during recent years of income to public institutions from direct tax levies, from 8.8 percent in 1956-57 to 3.3 percent in 1958-59, though the downward trend is hardly to be considered as definitely confirmed.

An examination of the percentages coming from various sources by type of function may be somewhat more helpful. Public institutions have understandably depended heavily on appropriations, tax levies, and general obligation bonds for funds for new instructional, research (other than sponsored), and general facilities. In the years 1956 through 1959, from these three sources combined have come between 81.3 percent and 85.7 percent of funds. (See table 16.) The trend may be said to show a slight increase, though irregular.

Auxiliary facilities (other than residential buildings) include college unions, food service facilities, bookstore buildings, student health infirmaries, and the like. The total dollar amounts are limited, and the manner of distribution of sources of funds in the respective years of their completion makes the task of interpreting the trends a difficult one. Since a large share of the money for auxiliary buildings completed in each year was invested in college union or food facilities (in 1958-59, 94 percent), a large percentage of the funds might be expected to have been raised by revenue bonds. In table 17, two of the years tabulated bear out this conjecture (49.4 percent and 51.9 percent, respectively), but for the other two periods this source falls below 40 percent. Nor is there a consistent trend observable in any of the other source categories.

Revenue bonds constitute the normal source for funds with which to construct residential facilities in public institutions. As a percentage of the total of all sources, this source achieved 81.3 percent in the year 1957-58. (See table 18.) The participation of the College Housing Loan Program increased in each year after 1956-57, when it was identified, and in 1958-59 provided over 57 percent of the total funds spent by public institutions for residential facilities.

Trends in Fund Sources--Privately Controlled Institutions

As a source for construction funds for buildings of all functional purposes in private institutions, "gifts and grants" maintained an overwhelming lead percentagewise throughout the period. (See table 15.) Because of the increasing activity in the fields of residential and other auxiliary facilities, an increasing proportion of funds has come from revenue bonds, rising from 11.0 percent to over 27 percent for 1957-58. Expanded tables on file in the U.S. Office of Education show that as the participation of revenue bonds increased there was a proportionally lesser degree of reliance upon other types of borrowing from private or commercial sources outside the institution. The tables also reveal a slight retreat from the borrowing of endowment funds, from 6.9 percent in 1956-57 to 4.8 percent in 1958-59.

The one category of sources which may have been affected by the inclusion of rehabilitation projects in 1958-59 is current funds. Here again Office tables show an 8.2 percent participation for private institutions in 1958-59, as compared with 4.2 percent and 5.4 percent in previous years.

Trends are lacking in sources of funds for instructional, research, and general facilities for private institutions. (See table 16.) Gifts and grants continue to be the perennial standby. For

auxiliary facilities (other than residential) the participation of revenue bonds has shown a definite upward trend, reaching 43.3 percent in 1958-59, while gifts and grants were reduced to 27.4 percent (See table 17.) Similar compensating trends are visible in the category of residential construction funds, revenue bonds rising from a 32.9-percent average for 1951-56 to one of 64.3 percent (all HHFA) in 1958-59, while gifts and grants as a source were retreating from a 38.3-percent average for 1951-56 to one of 13.1 percent in 1958-59. (See table 18.)

Relation to Other Studies

As previously indicated, part 1 of the College and University Facilities Survey (new construction completed 1951 to 1956) was the source of a portion of the figures for the trends study. Data collected for the Planning and Management Data series (U.S. Office of Education Circulars Nos. 517, 549, and 614) comprised the other main source. In 1956, data were gathered by the Office on current planning for college and university physical plant expansion from 1956 to 1970.[3/] Figures reported by 1,382 responding institutions (90.2 percent by enrollment) showed 6,071 contemplated construction projects estimated to cost nearly $5.4 billion.

A national inventory of physical facilities for higher education (to be part 3 of the Facilities Survey) was begun by the Office in 1957. This inventory is expected to be made continuous by means of periodic additions and deletions, so that a current picture of the state of higher education physical facilities may be available.

The data being recorded for each campus structure include not only size in square feet, date of first occupancy, and number of student stations, but also an evaluation of condition as (1) satisfactory, (2) poor (needs major rehabilitation), or (3) unsatisfactory (should be razed).

A preliminary report was issued in 1959,[4/] based on a selected sample of 111 representative colleges and universities. Buildings were grouped according to the year of occupancy: (1) before 1901, (2) 1901 to 1920, (3) 1921 to 1940, or (4) 1941 to 1957. The number of buildings was tabulated and the percent of the total (1,299) computed for each condition category.

It was found that, in the aggregate, 33 percent of the buildings occupied before 1901 were either in need of major rehabilitation or should be razed. Of those occupied between 1901 and 1920, 32 percent were poor or unsatisfactory. Of those occupied between 1921 and 1940, 15 percent were poor or worse. In the 1941-to-1957 group, 19 percent were in need of rehabilitation or demolition. It should be remembered that included in this last group were the surviving "temporary" buildings acquired by many colleges from the U.S. Government surplus disposal program after World War II.

When these factors are accumulated they represent over 21 percent of the country's total college and university physical facilities which in 1957, according to the sample, needed major rehabilitation or retirement from service. It is impossible to obtain a close correlation between the (approximately) $41 million worth of rehabilitation reported completed in 1958-59 and the 21 percent of total facilities which in 1957 needed to be razed or rehabilitated. It is also impossible to say how much of the $585 million worth of new construction reported in 1958-59 replaced those facilities reported as unsatisfactory in 1957.

Alternate Approach to Facilities Needs

A computation of need based upon an estimated 2-percent-per-year factor for replacement of obsolete and hazardous facilities (assuming a 50-year average life of college buildings), expressed in terms of 2 percent of the student body (3,402,297 in 1959) and a per-student cost of construction ($2,500 [5/] for instructional facilities), gives a figure of $170,115,000 (68,046 x $2,500). In

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3/ Bokelman, W. Robert, and John B. Rork. College and University Facilities Survey--Part II: Planning for College and University Physical Plant Expansion, 1956-70 (Circular No. 603). U.S. Department of Health, Education, and Welfare, Office of Education. Washington: U.S. Government Printing Office, 1960. 112 p.

4/ D'Amico, Louis A., and E. Eugene Higgins. College and University Facilities Survey, Part 3, December 31, 1957, A Preliminary Report, U.S. Department of Health, Education, and Welfare, Office of Education. 19 p.

5/ See p. 23 of circular identified in footnote 3.

addition, for replacement of residential facilities, the factor of the number of students is reduced to the 40 percent of the student body currently being housed on the campus, or 27,218 students. This number of students multiplied by $4,700 per student for constructing housing facilities gives $127,925,000, or a total of $298,040,000 for replacement only of instructional and residential facilities.

Reported construction and rehabilitation expenditures for projects completed in 1958-59, when extrapolated to 100 percent of enrollment, by category, indicate a total expenditure of $701,061,000 for that year. On this basis only $403 million worth ($701 million minus $298 million) of the 1958-59 construction remains as a net gain in facilities to accommodate additional enrollments for 1 year. The actual increase in fall enrollments between 1958 and 1959 was 143,741, for which (if enrollments had been using 100 percent of capacity in 1958) an expenditure of $629,583,000 would have been required to provide additional instructional and residential facilities by 1959. Not all institutions were filled to capacity in 1958 or in 1959, but it is a safe assumption, based upon this lag, that enrollments are approaching the practicable capacity of facilities.

Summary

When expenditures for new construction of projects completed in 1958-59 are analyzed for trend indicators, in context with similar figures for the preceding years, there appear to be cyclical trends, both in the gross amounts and on a per-student basis. This was more pronounced for public institutions than for private. The trend in the recent 3-year period, as compared with the earlier 3-year period, seems to be accelerating upward somewhat, but on a selective basis as regards the functional types of facilities. The rate of acceleration in construction was not sufficient to provide for the facilities needs of enrollment growth plus obsolescence.

Trends in the proportionate participation of various sources of construction funds in public institutions were in the direction of greater use of revenue bonds for residential and other auxiliary facilities, at least before 1958-59. Likewise, private institutions tended to increase their reliance upon revenue bonds for these types of facilities, especially through the use of the College Housing Loan Program. The reciprocal decreasing trend for both public and private institutions was in the use of gifts and grants as a source.

Table 12.--Costs of construction of new facilities, by functional type, year of completion, and control: Aggregate United States, 1951-52 to 1958-59

(In thousands of dollars)

Year and control	Functional type				No. of projects	Enrollment[1]	
	Total	Instructional, research, and general	Residential	Other auxiliary		Responding institutions	Percent of total enrollment
1951-52:							
Total	$250,790	$160,167	$69,160	$21,463	573		
Public	153,984	97,697	42,967	13,320	309		89.7
Private	96,806	62,470	26,193	8,143	264		90.9
1952-53:							
Total	335,899	242,014	74,955	18,930	605		
Public	219,735	147,647	56,624	15,464	357		89.7
Private	116,164	94,367	18,331	3,466	248		90.9
1953-54:							
Total	291,986	193,159	69,826	29,001	575		
Public	166,991	121,689	27,186	18,116	303		89.7
Private	124,995	71,470	42,640	10,885	272		90.9
1954-55:							
Total	353,716	226,551	97,107	30,058	659		
Public	224,404	164,730	42,123	17,551	348		89.7
Private	129,312	61,821	54,984	12,507	311		90.9
1955-56:							
Total	543,764	344,139	173,971	25,654	829	2,467,400	
Public	324,126	218,849	91,648	13,629	412	1,380,714	89.7
Private	219,638	125,290	82,323	12,025	417	1,086,686	90.9
1956-57:							
Total	443,652	280,764	138,813	24,075	748	2,396,758	
Public	266,599	178,959	69,708	17,932	444	1,400,458	83.3
Private	177,053	101,805	69,105	6,143	304	996,300	78.7
1957-58:							
Total	493,052	285,413	174,118	33,521	710	2,235,210	
Public	326,995	200,795	103,436	22,764	418	1,367,568	77.8
Private	166,057	84,618	70,682	10,757	292	867,642	67.4
1958-59:							
Total	584,742	321,881	217,241	45,620	884	2,862,729	
Public	385,304	215,641	143,767	25,896	532	1,734,174	93.4
Private	199,438	106,240	73,474	19,724	352	1,128,555	82.5

[1] Corresponding enrollments in 1951-52 through 1954-55 are not known. The 1955-56 percentages of enrollment are indicated for the years 1951-55 because the data are based on the same institutions and because the percentages of enrollment may be assumed to be approximately the same.

Table 13.--Percentage distribution of expenditures for new construction, by control and functional type: Aggregate United States, 1951-52 to 1958-59

Year	Total				Public				Private			
	Percent, all functions	Instructional, research, and general	Residential	Other auxiliary	Percent, all functions	Instructional, research, and general	Residential	Other auxiliary	Percent, all functions	Instructional, research, and general	Residential	Other auxiliary
1951-52 - -	100.0	63.9	27.6	8.6	100.0	63.4	27.9	8.6	100.0	64.5	27.1	8.4
1952-53 - -	100.0	72.0	22.3	5.6	100.0	67.2	25.8	7.0	100.0	81.2	15.8	3.0
1953-54 - -	100.0	66.2	23.9	9.9	100.0	72.9	16.3	10.8	100.0	57.2	34.1	8.7
1954-55 - -	100.0	64.1	27.4	8.5	100.0	73.4	18.7	7.8	100.0	47.8	42.5	9.7
1955-56 - -	100.0	63.3	32.0	4.7	100.0	67.5	28.3	4.2	100.0	57.0	37.5	5.5
1956-57 - -	100.0	63.2	31.4	5.4	100.0	67.1	26.1	6.7	100.0	57.5	39.0	3.5
1957-58 - -	100.0	57.9	35.3	6.8	100.0	61.4	31.6	7.0	100.0	51.0	42.5	6.5
1958-59 - -	100.0	55.0	37.1	7.9	100.0	56.0	37.3	6.7	100.0	53.3	36.8	9.9

Because of rounding, detail may not add to totals.

Table 14.--Expenditures per student for new facilities completed, by control and functional type: Aggregate United States, 1955-56 to 1958-59

Year and control	Total	Instructional, research, and general	Residential	Other auxiliary
1955-56:				
Total - -	$220	$139	$71	$10
Public - - -	235	159	66	10
Private - -	202	115	76	11
1956-57:				
Total - -	185	117	58	10
Public - - -	190	128	50	13
Private - -	178	202	69	6
1957-58:				
Total - -	221	128	78	15
Public - - -	239	147	76	17
Private - -	191	98	81	12
1958-59:				
Total - -	204	112	76	16
Public - - -	222	124	83	15
Private - -	177	94	65	17

Because of rounding, detail may not add to totals.

Table 15.--Percentage distribution of new construction funds for all functional types, by source and control: Aggregate United States, 1951-59

Source of funds	1951-56 average	1956-57	1957-58	1958-59[1/]
	PUBLIC			
Total	100.0	100.0	100.0	100.0
Appropriations	53.8	45.8	39.5	43.2
Tax levies	1.6	8.8	7.9	3.3
General obligation bonds	10.7	8.2	9.2	11.3
HHFA revenue bonds	(20.8	6.5	11.3	22.6
Other revenue bonds	(	17.9	22.7	8.7
Gifts and grants	3.7	2.9	5.0	2.8
Other sources	9.4	9.9	4.4	8.0
	PRIVATE			
Total	100.0	100.0	100.0	100.0
Appropriations	4.6	4.3	5.8	4.6
Tax levies	0.0	0.0	0.0	0.0
General obligation bonds	0.8	0.4	0.2	1.0
HHFA revenue bonds	(11.0	14.9	26.7	26.0
Other revenue bonds	(	1.0	0.5	0.2
Gifts and grants	56.1	48.8	39.3	41.3
Other sources	27.5	30.5	27.5	27.0

[1/] Includes rehabilitation projects.

Because of rounding, detail may not add to totals.

Table 16.--Percentage distribution of new construction funds for instructional, research, and general facilities, by source and control: Aggregate United States, 1951-59

Source of funds	PUBLIC			
	1951-56 average	1956-57	1957-58	1958-59[1/]
Total	100.0	100.0	100.0	100.0
Appropriations	68.4	61.7	58.8	68.2
Tax levies	1.9	12.3	12.4	5.0
General obligation bonds	13.3	9.7	10.1	12.5
HHFA revenue bonds	(	0.9	0.0	0.1
Other revenue bonds	(3.8 (	3.4	7.6	3.9
Gifts and grants	4.1	3.8	7.4	4.1
Other sources	8.6	8.2	3.7	6.1
	PRIVATE			
Total	100.0	100.0	100.0	100.0
Appropriations	6.7	7.5	9.2	6.3
Tax levies	0.0	0.0	0.0	0.0
General obligation bonds	0.8	0.6	0.3	0.8
HHFA revenue bonds	(	1.2	0.0	0.0
Other revenue bonds	(0.1 (	0.0	1.1	0.1
Gifts and grants	64.3	64.0	59.3	61.0
Other sources	28.1	26.7	30.2	31.9

[1/] Includes rehabilitation projects.

Because of rounding, detail may not add to totals.

Table 17.--Percentage distribution of new construction funds for other auxiliary facilities, by source and control: Aggregate United States, 1951-59

Source of funds	PUBLIC			
	1951-56 average	1956-57	1957-58	1958-59[1/]
Total	100.0	100.0	100.0	100.0
Appropriations	23.3	15.9	28.1	22.4
Tax levies	1.9	3.0	0.0	3.2
General obligation bonds	7.2	10.6	3.2	13.2
HHFA revenue bonds	(	6.5	4.7	29.9
Other revenue bonds	(35.2 (	42.9	47.2	9.7
Gifts and grants	9.3	4.3	6.1	5.2
Other sources	23.2	16.9	10.7	16.6
	PRIVATE			
Total	100.0	100.0	100.0	100.0
Appropriations	0.3	0.0	3.7	0.0
Tax levies	0.0	0.0	0.0	0.0
General obligation bonds	3.5	0.0	0.0	0.0
HHFA revenue bonds	(	9.7	35.4	41.2
Other revenue bonds	(3.8 (	2.5	0.0	2.1
Gifts and grants	68.0	39.2	40.9	27.4
Other sources	24.5	48.6	20.0	29.3

[1/] Includes rehabilitation projects.

Because of rounding, detail may not add to totals.

Table 18.--Percentage distribution of new construction funds for residential facilities, by source and control: Aggregate United States, 1951-59

Source of funds	1951-56 average	1956-57	1957-58	1958-59 1/
	PUBLIC			
Total	100.0	100.0	100.0	100.0
Appropriations	20.8	12.6	4.4	7.3
Tax levies	0.7	1.3	0.9	0.5
General obligation bonds	4.1	4.0	8.8	9.1
HHFA revenue bonds	(65.8	21.1	34.6	57.1
Other revenue bonds	(	48.4	46.7	16.2
Gifts and grants	0.8	0.2	0.1	0.2
Other sources	7.8	12.4	4.5	9.4
	PRIVATE			
Total	100.0	100.0	100.0	100.0
Appropriations	1.5	0.0	2.2	2.4
Tax levies	0.0	0.0	0.0	0.0
General obligation bonds	0.3	0.3	0.0	1.8
HHFA revenue bonds	(32.9	35.4	57.3	64.3
Other revenue bonds	(	2.4	0.0	0.0
Gifts and grants	38.3	27.3	15.2	13.1
Other sources	27.0	34.5	25.3	18.4

1/ Included rehabilitation projects.

Because of rounding, detail may not add to totals.

APPENDIX

NEW CONSTRUCTION PROJECTS COMPLETED IN FISCAL YEAR 1956-57 by State and by Function

Laboratory School

ARIZ	UNIV OF ARIZ	$ 839000
FLA	FLA A & M UNIV	360000
GA	ALBANY STATE COL	120000
GA	GA STATE COL FOR WOMEN	33000
HAWA	UNIV OF HAWAII	337000
LA	LA POLYTECHNIC INST	35000
LA	SOUTHERN UNIV & A & M COL	950000
UTAH	UTAH ST U AGRIC & APP SCI	535000
VA	PRESBYTERIAN SCH CHRIS ED	57000

Field House

CAL	CONTRA COSTA COL	189000
FLA	UNIV OF MIAMI	13000
ILL	NORTHERN ILL UNIV	1300000
MINN	MACALESTER COL	385000
N C	LEES MCRAE COL	6000
OKLA	CAMERON STATE AGRIC COL	375000
VT	NORWICH UNIV	215000
U S	U S NAVAL ACADEMY	3500000

Gymnasium

ALA	OAKWOOD COL	110000
CAL	BAKERSFIELD COL	1669000
CAL	CHICO STATE COL	239000
CAL	U OF CAL RIVERSIDE	240000
COLO	FORT LEWIS A & M COL	187000
CONN	UNIV OF BRIDGEPORT	609000
D C	IMMACULATA J C	200000
GA	GA INST OF TECHNOLOGY	1400000
IND	HANOVER COL	241000
IOWA	WILLIAM PENN COL	229000
KY	MOREHEAD STATE COL	590000
MD	S T C BOWIE	296000
MD	WASHINGTON COL	275000
MICH	WESTERN MICH UNIV	1450000
MONT	NORTHERN MONT COL	253000
N J	MONTCLAIR STATE COL	843000
N J	UPSALA COL	500000
N C	LENOIR RHYNE COL	523000
N C	WESTERN CAROLINA COL	468000
OHIO	CASE INST OF TECHNOLOGY	1750000
OKLA	SAYRE J C	140000
S D	BLACK HILLS TEACHERS COL	395000
TEX	MARY HARDIN BAYLOR COL	262000
TEX	NORTH TEX STATE COL	184000
TEX	ODESSA COL	217000
TEX	RICE INSTITUTE	74000
W VA	WEST LIBERTY STATE COL	500000

Home Management

Laboratory House

IOWA	IOWA ST UNIV OF SCI & TECH	$ 134000
KANS	UNIV OF WHICHITA	122000
LA	SOUTHERN UNIV & A & M COL	42000
PA	PA STATE UNIV	82000
PA	PA STATE UNIV	134000
PA	PA STATE UNIV	88000
TEX	TRINITY UNIV	50000

Academic Classroom

ARIZ	UNIV OF ARIZ	1157000
ARK	ARK A & M COL	212000
ARK	UNIV OF ARK	3850000
CAL	BAKERSFIELD COL	154000
CAL	CLAREMONT MENS COL	286000
CAL	COL OF THE HOLY NAMES	157000
CAL	COL OF THE HOLY NAMES	157000
CAL	COL OF MARIN	191000
CAL	EL CAMINO COL	436000
CAL	FRESNO STATE COL	362000
CAL	FRESNO STATE COL	614000
CAL	FRESNO STATE COL	227000
CAL	LA ST COL APP ARTS & SCI	845000
CAL	MOUNT SAN ANTONIO COL	330000
CAL	ORANGE COAST COL	572000
CAL	PASADENA CITY COL	466000
CAL	SAN DIEGO STATE COL	375000
CAL	SANTA ANA COL	230000
CAL	SANTA ANA COL	207000
CAL	SHASTA COL	200000
CAL	STANFORD UNIV	760000
CAL	TAFT COL	664000
CAL	U OF CAL LOS ANGELES	1740000
CAL	U OF CAL SANTA BARBARA	1240000
CAL	VENTURA COL	122000
CAL	WESTMONT COL	19000
COLO	ADAMS STATE COL	300000
COLO	UNIV OF COLO	559000
COLO	WESTERN STATE COL OF COLO	398000
CONN	QUINNIPIAC COL	210000
D C	GEORGETOWN UNIV	1579000
D C	HOWARD UNIV	1410000
FLA	FLA A & M UNIV	810000
FLA	FLA A & M UNIV	839000
FLA	FLA STATE UNIV	874000
FLA	UNIV OF MIAMI	483000
GA	MERCER UNIV	305000
IDA	IDAHO STATE COL	425000
ILL	LINCOLN BIBLE INST	70000
ILL	NORTHERN ILL UNIV	850000
ILL	UNIV OF ILL	502000
IND	GOSHEN COL	256000
IND	IND UNIV	1768000

Academic Classroom Contd

IND	OAKLAND CITY COL	$ 145000
IND	VALPARAISO UNIV	63000
IOWA	SIMPSON COL	354000
KANS	UNIV OF KANSAS	650000
LA	LA POLYTECHNIC INST	1171000
LA	MCNEESE STATE COL	156000
LA	MCNEESE STATE COL	698000
LA	NORTHEAST LA STATE COL	200000
LA	SOUTHERN UNIV & A & M COL	520000
MD	UNIV OF MD	350000
MASS	BRANDEIS UNIV	306000
MASS	BRANDEIS UNIV	1778000
MASS	UNIV OF MASS	1000000
MICH	CENTRAL MICH UNIV	256000
MICH	FERRIS INST	1058000
MICH	MICH ST U AGRIC & APP SCI	4120000
MICH	WAYNE STATE UNIV	1126000
MINN	UNIV OF MINN	800000
MINN	UNIV OF MINN	575000
MISS	UNIV OF MISS	593000
NEV	UNIV OF NEV	420000
N J	MONTCLAIR STATE COL	975000
N M	EASTERN N MEX UNIV	258000
N M	EASTERN N MEX UNIV	379000
N M	N MEX ST U AGRI ENGR SCI	460000
N M	N MEX ST U AGRI ENGR SCI	281000
N M	N MEX ST U AGRI ENGR SCI	133000
N M	N MEX ST U AGRI ENGR SCI	366000
N M	N MEX WESTERN COL	330000
N Y	NEW SCH FOR SOC RESEARCH	1175000
N Y	ORANGE COUNTY CMTY COL	247000
N Y	SUNY COL OF EDUC POTSDAM	1100000
N Y	UNIV OF BUFFALO	850000
N C	AGRIC & TECH COL OF N C	136000
N C	ATLANTIC CHRISTIAN COL	419000
N C	CHOWAN COL	80000
N C	UNIV OF N C ST COL RALEIGH	438000
N D	N DAK STATE SCHOOL SCIENCE	175000
OHIO	OHIO STATE UNIV	1441000
OHIO	OHIO STATE UNIV	793000
OHIO	OHIO STATE UNIV	1216000
OHIO	OHIO UNIV	860000
OKLA	CAMERON STATE AGRIC COL	25000
OKLA	EAST CENTRAL STATE COL	428000
OKLA	NORTHEASTN OKLA A & M COL	2000
OKLA	NORTHEASTN OKLA A & M COL	7000
OKLA	NORTHEASTN OKLA A & M COL	17000
OKLA	NORTHEASTN OKLA A & M COL	8000
OKLA	NORTHEASTN OKLA A & M COL	9000
OKLA	NORTHWESTERN STATE COL	129000
OKLA	SAYRE J C	85000
OREG	UNIV OF OREG DENTAL SCH	2260000
OREG	PORTLAND STATE COL	896000
PA	LAFAYETTE COL	993000
PA	UNIV OF PITTSBURGH	2741000
PA	UNIV OF PITTSBURGH	15498000
PA	VILLANOVA UNIV	990000
S C	S C STATE COL	750000
S D	STATE UNIV OF S DAK	650000
TENN	EAST TENN STATE COL	120000
TENN	KNOXVILLE COL	296000
TENN	TENN AGRIC & INDUS ST UNIV	410000
TENN	TENN POLYTECHNIC INST	124000
TENN	UNIV OF THE SOUTH	450000
TEX	BAYLOR U AT WACO	320000
TEX	EAST TEX STATE COL	460000

Academic Classroom Contd

TEX	EAST TEX STATE COL	$ 448000
TEX	HOWARD COUNTY J C	80000
TEX	HOWARD COUNTY J C	92000
TEX	MCMURRY COL	425000
TEX	ODESSA COL	61000
TEX	TEXARKANA COL	93000
TEX	TRINITY UNIV	375000
UTAH	BRIGHAM YOUNG UNIV	1725000
UTAH	UNIV OF UTAH	782000
UTAH	WEBER COL	311000
VA	COL WM & M AT WMSBURG	1350000
WASH	EASTERN WASH COL OF EDUC	91000
WASH	UNIV OF WASH	544000
WASH	WHITWORTH COL	243000
W VA	W VA UNIV	13102000
WIS	BELOIT COL	64000

Library

ARIZ	GRAND CANYON COL	70000
CAL	BAKERSFIELD COL	520000
CAL	CLAREMONT GRADUATE SCHOOL	480000
CAL	COL OF THE HOLY NAMES	261000
CAL	FULLERTON J C	436000
CAL	SAN JOSE STATE COL	861000
IND	DEPAUW UNIV	997000
IND	EVANSVILLE COL	550000
IND	IND S T C	648000
IND	IND UNIV	572000
IOWA	CENTRAL COL	210000
KY	UNIV OF LOUISVILLE	2000000
MASS	PINE MANOR J C	319000
MASS	WILLIAMS COL	511000
MICH	MICH ST U AGRIC & APP SCI	4000000
MINN	UNIV OF MINN	620000
NEBR	UNIV OF NEBR	230000
N J	PRINCETON THEOL SEM	1526000
N M	N MEX WESTERN COL	330000
N Y	ALFRED UNIV	480000
N Y	D YOUVILLE COL	497000
OHIO	DEFIANCE COL	165000
OHIO	WESTERN RESERVE UNIV	1513000
OKLA	CENTRAL STATE COL	500000
OREG	NORTHWEST CHRISTIAN COL	295000
PA	LEBANON VALLEY COL	279000
S D	GEN BEADLE S T C	108000
TENN	FREED HARDEMAN COL	33000
TEX	DECATUR BAPTIST COL	48000
TEX	LAMAR STATE COL TECHNOLOGY	531000
WASH	WHITMAN COL	413000
WIS	WIS STATE COL LA CROSSE	814000

Museum

FLA	UNIV OF MIAMI	57000
MICH	MICH ST U AGRIC & APP SCI	325000
S C	BOB JONES UNIV	480000

Instructional Laboratory

ARIZ	UNIV OF ARIZ	$ 86000
CAL	COL OF THE HOLY NAMES	300000
CAL	COL OF MARIN	51000
CAL	EL CAMINO COL	510000
CAL	EL CAMINO COL	292000
CAL	FRESNO STATE COL	37000
CAL	MOUNT SAN ANTONIO COL	104000
CAL	SAN DIEGO STATE COL	366000
CAL	SAN DIEGO STATE COL	488000
CAL	SANTA MONICA CITY COL	352000
CAL	STANFORD UNIV	134000
CONN	UNIV OF CONN	623000
D C	HOWARD UNIV	4626000
ILL	UNIV OF ILL	3722000
IND	IND S T C	201000
IND	IND S T C	487000
IOWA	WARTBURG COL	235000
KANS	COL OF EMPORIA	290000
LA	LA STATE UNIV & A & M COL	360000
LA	SOUTHERN UNIV & A & M COL	324000
MD	HOOD COL	360000
MASS	WHEATON COL	8000
MICH	FERRIS INST	1145000
MISS	MISS STATE UNIV	474000
MO	NORTHWEST MO STATE COL	24000
N M	N MEX INST MINING & TECH	51000
N Y	BROOME TECH COMMUNITY COL	360000
N Y	BROOME TECH COMMUNITY COL	360000
N Y	BROOME TECH COMMUNITY COL	473000
N Y	WEBB INST NAVAL ARCH	100000
N C	UNIV OF N C ST COL RALEIGH	363000
OHIO	CASE INST OF TECHNOLOGY	1750000
OHIO	DENISON UNIV	425000
OHIO	OHIO UNIV	118000
OKLA	OKLA ST U AGRIC & APP SCI	174000
OREG	OREG TECH INST	320000
PA	COL MISERICORDIA	437000
PA	UNIV OF SCRANTON	1200000
S D	S DAK SCH MINES & TECHNOL	515000
TEX	HOWARD COUNTY J C	211000
TEX	ODESSA COL	130000
WIS	EDGEWOOD COL SACRED HEART	98000
WIS	UNIV OF WIS	1526000
WIS	UNIV OF WIS	1718000

Swimming Pool

CAL	PASADENA CITY COL	162000
KY	UNION COL	273000
MICH	UNIV OF MICH	826000
N M	N MEX INST MINING & TECH	127000
PA	BUCKNELL UNIV	304000
TENN	UNIV OF THE SOUTH	198000
TEX	SCHREINER INST	35000
WASH	COL OF PUGET SOUND	138000

Teaching Hospital

ARK	UNIV OF ARK	9288000
N C	DUKE UNIV	4000000
OHIO	OHIO STATE UNIV	579000
PA	TEMPLE UNIV	9454000

Other Instructional

CONN	UNIV OF CONN	$ 550000
GA	UNIV OF GEORGIA	2089000
ME	BOWDOIN COL	340000
MO	UNIV OF MO	3202000
MO	WASHINGTON UNIV	49000
OKLA	NORTHEASTN OKLA A & M COL	17000
OKLA	NORTHERN OKLA J C	22000

Agriculture Research

ARIZ	UNIV OF ARIZ	160000
ARIZ	UNIV OF ARIZ	45000
ARIZ	UNIV OF ARIZ	45000
CAL	U OF CAL DAVIS	50000
CAL	U OF CAL RIVERSIDE	316000
FLA	UNIV OF FLORIDA	1716000
IDA	UNIV OF IDAHO	136000
IOWA	IOWA ST UNIV OF SCI & TECH	67000
LA	LA STATE UNIV & A & M COL	603000
LA	SOUTHERN UNIV & A & M COL	55000
LA	SOUTHERN UNIV & A & M COL	75000
MD	UNIV OF MD	10000
MD	UNIV OF MD	26000
NEV	UNIV OF NEV	98000
N H	UNIV OF N H	38000
N D	N DAK AGRIC COL	100000
OKLA	OKLA ST U AGRIC & APP SCI	21000
OKLA	OKLA ST U AGRIC & APP SCI	6000
OKLA	OKLA ST U AGRIC & APP SCI	27000
PA	PA STATE UNIV	25000
WASH	WASH STATE UNIV	102000
WYO	UNIV OF WYO	23000

Biology Research

N Y	CORNELL UNIV	101000
OREG	UNIV OF OREG	34000
VA	VPI AT BLACKSBURG	105000
VA	VPI AT BLACKSBURG	25000

Chemistry Research

MICH	WESTERN MICH UNIV	225000
WIS	UNIV OF WIS	1068000

Physics Research

CAL	STANFORD UNIV	217000
MICH	UNIV OF MICH	865000
UTAH	UNIV OF UTAH	134000

Other Physical Science Research

FLA	UNIV OF MIAMI	225000
ILL	ILL INST OF TECHNOLOGY	500000
ILL	UNIV OF CHICAGO	383000
N Y	SUNY COL OF FORESTRY	3140000

Engineering Research

CAL	WESTMONT COL	$ 40000
KANS	UNIV OF WICHITA	65000
WASH	WASH STATE UNIV	95000

Medical Research

FLA	UNIV OF FLORIDA	3792000
GA	EMORY UNIV	1251000
MINN	UNIV OF MINN	207000
NEBR	UNIV OF NEBR	210000
PA	UNIV OF PITTSBURGH	1147000
PA	UNIV OF PITTSBURGH	5399000

Faculty Apartment

CONN	UNIV OF CONN	1108000
N Y	GENERAL THEOL SEM	375000
N C	GUILFORD COL	38000
N C	LEES MCRAE COL	15000

Faculty and Staff House

MD	UNIV OF MD	65000
MICH	UNIV OF MICH	63000
MONT	NORTHERN MONT COL	16000
N J	DREW UNIV	78000
OKLA	BACONE COL	23000
OKLA	OKLA ST U AGRIC & APP SCI	16000
OKLA	PANHANDLE A & M COL	60000
TEX	AUSTIN PRESB THEOL SEM	25000
TEX	SOUTHWEST TEX STATE COL	81000
VA	U OF VA AT CHARLOTTESVILLE	175000
VA	VPI AT BLACKSBURG	56000

Fraternity and Sorority House

ALA	BIRMINGHAM SOUTHERN COL	30000
FLA	UNIV OF FLORIDA	131000
FLA	UNIV OF FLORIDA	131000
FLA	UNIV OF FLORIDA	134000
PA	CARNEGIE INST TECHNOLOGY	322000
PA	CARNEGIE INST TECHNOLOGY	352000

Hotel Type Accommodation

ILL	NORTH CENTRAL COL	391000

Married Students' Apartment

CAL	CLAREMONT GRADUATE SCHOOL	235000
ILL	CHICAGO LUTH THEOL SEM	175000
IND	PURDUE UNIV	534000
IOWA	IOWA S T C	177000
IOWA	IOWA ST UNIV OF SCI & TECH	700000
KANS	KANS ST U AGRIC & APP SCI	1601000
MICH	CENTRAL MICH UNIV	426000
MICH	FERRIS INST	107000
MICH	FERRIS INST	107000

Married Students' Apartment Contd

MICH	FERRIS INST	$ 107000
MICH	MICH ST U AGRIC & APP SCI	1500000
MICH	NORTHERN MICH COL	302000
MICH	UNIV OF MICH	3315000
MICH	WESTERN MICH UNIV	828000
MO	EDEN THEOL SEM	176000
NEBR	NEBR S T C CHADRON	89000
N M	N MEX INST MINING & TECH	66000
N Y	BIBLICAL SEM IN N Y	65000
N Y	CORNELL UNIV	836000
N D	N DAK AGRIC COL	300000
N D	UNIV OF N DAK	297000
OHIO	KENYON COL	133000
TENN	UNIV OF THE SOUTH	34000
TEX	SAM HOUSTON S T C	730000
WASH	EASTERN WASH COL OF EDUC	230000
W VA	CONCORD COL	231000
WIS	UNIV OF WIS	380000

Men's Residence Hall

ALA	ALA POLYTGCHNIC INST	354000
ALA	BIRMINGHAM SOUTHERN COL	304000
ARIZ	ARIZ STATE COL FLAGSTAFF	272000
ARIZ	UNIV OF ARIZ	1032000
ARK	HARDING COL	400000
ARK	OUACHITA BAPTIST COL	300000
CAL	BAKERSFIELD COL	321000
CAL	CLAREMONT MENS COL	245000
CAL	OCCIDENTAL COL	437000
CAL	POMONA COL	132000
CAL	STANFORD UNIV	929000
CAL	UNIV OF REDLANDS	439000
CAL	UNIV OF SANTA CLARA	477000
COLO	NORTHEASTERN J C	160000
CONN	WESLEYAN UNIV	2428000
DEL	DEL STATE COL	674000
D C	AMERICAN UNIV	650000
IDA	COL OF IDAHO	364000
IDA	IDAHO STATE COL	120000
ILL	LINCOLN COL	222000
ILL	NORTH PARK COL & THEOL SEM	643000
ILL	SOUTHERN ILL UNIV	504000
ILL	SOUTHERN ILL UNIV	506000
ILL	SOUTHERN ILL UNIV	516000
ILL	SOUTHERN ILL UNIV	507000
ILL	UNIV OF ILL	1282000
IND	HANOVER COL	120000
IND	MARION COL MARION	275000
IND	PURDUE UNIV	1965000
IND	UNIV OF NOTRE DAME	925000
IND	UNIV OF NOTRE DAME	925000
IOWA	BUENA VISTA COL	301000
IOWA	IOWA S T C	344000
IOWA	STATE UNIV OF IOWA	734000
IOWA	UNIV OF DUBUQUE	173000
KANS	KANS ST COL OF PITTSBURG	275000
KY	UNION COL	415000
MD	WASHINGTON COL	165000
MASS	BOSTON COL	750000
MASS	UNIV OF MASS	620000
MASS	WILLIAMS COL	242000
MICH	CENTRAL MICH UNIV	380000
MICH	FERRIS INST	830000

Men's Residence Hall Contd

MICH	MICH ST U AGRIC & APP SCI	$ 7000000
MICH	NORTHERN MICH COL	402000
MICH	WESTERN MICH UNIV	1442000
MISS	MISS STATE UNIV	936000
MISS	MISS VOCATIONAL COL	55000
MONT	EASTERN MONT COL OF EDUC	337000
NEBR	NEBR S T C CHADRON	450000
N J	RUTGERS THE STATE UNIV	1400000
N J	RUTGERS THE STATE UNIV	1400000
N J	RUTGERS THE STATE UNIV	1200000
N M	EASTERN N MEX UNIV	526000
N Y	ADELPHI COL	500000
N Y	MARIAN COL	400000
N Y	N Y UNIV	2850000
N Y	N Y UNIV	3385000
N C	DAVIDSON COL	233000
N C	ELON COL	293000
N D	N DAK AGRIC COL	600000
N D	STATE NORMAL & INDS COL	50000
N D	S T C VALLEY CITY	275000
OHIO	CASE INST OF TECHNOLOGY	925000
OHIO	KENT STATE UNIV	1000000
OHIO	KENYON COL	247000
OHIO	MIAMI UNIV	139000
OHIO	OHIO WESLEYAN UNIV	543000
OKLA	CENTRAL STATE COL	250000
OREG	LINFIELD COL	72000
OREG	LINFIELD COL	206000
OREG	WILLAMETTE UNIV	42000
PA	LA SALLE COL	500000
PA	LEHIGH UNIV	800000
PA	LINCOLN UNIV	350000
PA	MUHLENBERG COL	487000
TENN	AUSTIN PEAY STATE COL	213000
TENN	UNIV OF THE SOUTH	277000
TEX	HUSTON TILLOTSON COL	284000
TEX	RANGER COL	145000
TEX	RICE INSTITUTE	2262000
TEX	SAM HOUSTON S T C	600000
TEX	SAM HOUSTON S T C	275000
VT	NORWICH UNIV	490000
VT	ST MICHAELS COL	580000
VA	UNIV OF RICHMOND	315000
WASH	WASH STATE UNIV	2200000
WASH	WESTERN WASH COL OF EDUC	286000
W VA	W VA WESLEYAN COL	593000
WIS	ST FRANCIS SEM	2014000
WIS	WIS STATE COL STEVNS POINT	150000
WIS	WIS STATE COL SUPERIOR	160000

Women's Residence Hall

ALA	ALA A & M COL	475000
ALA	ALA POLYTGCHNIC INST	247000
CAL	COL OF THE PACIFIC	200000
CAL	LA SIERRA COL	159000
CAL	LA VERNE COL	212000
CAL	OCCIDENTAL COL	565000
CAL	U OF CAL DAVIS	1050000
COLO	COLO COL	1000000
COLO	COLO STATE COL	880000
COLO	COLO STATE COL	812000
COLO	UNIV OF COLO	920000
D C	IMMACULATA J C	650000
FLA	BETHUNE COOKMAN COL	300000
FLA	FLA SOUTHERN COL	761000

Women's Residence Hall Contd

ILL	BRADLEY UNIV	$ 461000
ILL	LAKE FOREST COL	410000
ILL	LOYOLA UNIV	205000
IND	BALL S T C	2856000
IND	FRANKLIN COL OF IND	917000
IND	GOSHEN COL	234000
IND	IND UNIV	472000
IND	MANCHESTER COL	350000
KANS	FORT HAYS KANS STATE COL	435000
KY	MURRAY STATE COL	1090000
LA	LA POLYTECHNIC INST	377000
LA	MCNEESE STATE COL	360000
LA	NORTHEAST LA STATE COL	300000
ME	BATES COL	461000
ME	UNIV OF MAINE	887000
MD	HOOD COL	500000
MD	ST JOSEPH COL	525000
MD	S T C BOWIE	378000
MASS	MOUNT HOLYOKE COL	850000
MASS	RADCLIFFE COL	843000
MASS	REGIS COL	676000
MICH	ALMA COL	725000
MICH	CENTRAL MICH UNIV	1074000
MINN	COL OF ST BENEDICT	986000
MO	DRURY COL	201000
MO	PARK COL	320000
MO	ST LOUIS UNIV	1049000
MO	UNIV OF MO	454000
MO	WILLIAM WOODS COL	125000
NEBR	MIDLAND COL	235000
NEBR	NEBR WESLEYAN UNIV	175000
N M	EASTERN N MEX UNIV	257000
N M	N MEX INST MINING & TECH	22000
N M	UNIV OF N MEX	2500000
N Y	ADELPHI COL	500000
N Y	ROSARY HILL COL	138000
N Y	SYRACUSE UNIV	2025000
N C	DUKE UNIV	1000000
N C	EAST CAROLINA COL	747000
N C	ELON COL	208000
N C	WINGATE COL	310000
N D	UNIV OF N DAK	450000
OHIO	KENT STATE UNIV	1000000
OHIO	MIAMI UNIV	815000
OHIO	MIAMI UNIV	677000
OHIO	MOUNT UNION COL	750000
OHIO	MUSKINGUM COL	838000
OHIO	OTTERBEIN COL	438000
OHIO	RIO GRANDE COL	425000
OKLA	NORTHERN OKLA J C	213000
OKLA	OKLA BAPTIST UNIV	813000
PA	ELIZABETHTOWN COL	669000
PA	LEBANON VALLEY COL	360000
PA	MOUNT ALOYSIUS J C	196000
PA	TEMPLE UNIV	1115000
PA	THIEL COL	116000
PA	WILSON COL	1170000
PA	WOMANS MED COL OF PA	207000
S C	CLAFLIN COL	209000
S C	S C STATE COL	250000
TENN	EAST TENN STATE COL	387000
TENN	UNION UNIV	360000
TEX	HUSTON TILLOTSON COL	284000
TEX	MCMURRY COL	550000
TEX	SAM HOUSTON S T C	725000
TEX	SOUTHWEST TEX STATE COL	425000
TEX	SOUTHWEST TEX STATE COL	426000

Women's Residence Hall Contd

VT	UNIV OF VT & ST AGRIC COL	$ 1835000
VA	HAMPTON INST	600000
VA	SWEET BRIAR COL	364000
W VA	W VA UNIV	1402000
WIS	LAWRENCE COL	900000
WIS	STOUT STATE COL	750000

Other Residential

NEBR	UNIV OF NEBR	1010000
PA	BUCKNELL UNIV	53000
PA	LEHIGH UNIV	200000
UTAH	BRIGHAM YOUNG UNIV	2000000

Administration Building

CAL	COL OF THE HOLY NAMES	129000
CAL	LONG BEACH STATE COL	444000
CAL	MOUNT SAN ANTONIO COL	104000
COLO	PUEBLO J C	310000
D C	HOWARD UNIV	1625000
MICH	UNIV OF MICH	1235000
N C	ATLANTIC CHRISTIAN COL	90000
PA	WILSON COL	158000
S C	FURMAN UNIV	528000
TENN	MARTIN COL	256000
TEX	NORTH TEX STATE COL	821000
TEX	TEX WESTERN COL	325000
TEX	UNIV OF CORPUS CHRISTI	75000
WASH	UNIV OF WASH	69000

Armory

TEX	UNIV OF TEX	718000

Auditorium

IND	ST MARYS COL	2681000
MASS	BRANDEIS UNIV	440000
N C	LENOIR RHYNE COL	585000
OHIO	OHIO STATE UNIV	2955000
TEX	TYLER J C	327000
UTAH	COL ST MARY OF THE WASATCH	177000

Auxiliary Enterprise

CAL	UNIV CALIF ALL CAMPUSES	130000
LA	LA POLYTECHNIC INST	166000
LA	SOUTHERN UNIV & A & M COL	396000

Chapel

CAL	PACIFIC SCHOOL OF RELIGION	275000
IND	IND UNIV	71000
MISS	MISS SOUTHERN COL	27000
MO	CENTRAL MO STATE COL	100000
MO	LINDENWOOD COL	480000
MO	STEPHENS COL	394000
N H	MOUNT ST MARY COL	136000
OKLA	EAST CENTRAL STATE COL	52000
PA	ST FRANCIS COL	450000
TENN	LAMBUTH COL	263000
TEX	A & M COL OF TEX	257000
P R	CATHOLIC UNIV OF P R	315000

College Union

CAL	BAKERSFIELD COL	$ 514000
CAL	DIABLO VALLEY COL	267000
CAL	HARTNELL COL	35000
COLO	ADAMS STATE COL	254000
FLA	FLA A & M UNIV	211000
FLA	UNIV OF MIAMI	247000
GA	VALDOSTA STATE COL	75000
ILL	ILL STATE NORMAL UNIV	765000
KANS	KANS S T C EMPORIA	585000
LA	MCNEESE STATE COL	379000
MD	ST JOSEPH COL	150000
MASS	UNIV OF MASS	2000000
MONT	MONT STATE COL	939000
N J	RUTGERS THE STATE UNIV	380000
N C	CHOWAN COL	21000
N C	GUILFORD COL	93000
OHIO	RIO GRANDE COL	25000
OKLA	NORTHERN OKLA J C	63000
OKLA	NORTHWESTERN STATE COL	263000
OKLA	SOUTHWESTERN STATE COL	550000
PA	COL MISERICORDIA	35000
PA	WASHINGTON JEFFERSON COL	300000
S C	CITADEL	1100000
TEX	ODESSA COL	152000
TEX	WHARTON COUNTY J C	180000
UTAH	UNIV OF UTAH	2079000
WASH	EASTERN WASH COL OF EDUC	210000
WASH	YAKIMA VALLEY J C	56000
WIS	BELOIT COL	198000
WIS	CARROLL COL	850000

Extension and Experiment Station

HAWA	UNIV OF HAWAII	273000
IND	PURDUE UNIV	183000
IND	PURDUE UNIV	36000
LA	LA STATE UNIV & A & M COL	705000
NEBR	UNIV OF NEBR	169000
OREG	OREG STATE COL	102000
TEX	A & M COL OF TEX	179000

Food Facility

ALA	JACKSONVILLE STATE COL	60000
CAL	CHICO STATE COL	348000
CAL	CLAREMONT MENS COL	320000
CAL	CONTRA COSTA COL	40000
CAL	LONG BEACH STATE COL	352000
CAL	MOUNT SAN ANTONIO COL	133000
CAL	OCCIDENTAL COL	530000
COLO	COLO COL	291000
COLO	COLO STATE COL	658000
IDA	COL OF IDAHO	47000
ILL	SOUTHERN ILL UNIV	719000
IND	UNIV OF NOTRE DAME	1725000
IOWA	STATE UNIV OF IOWA	465000
LA	MCNEESE STATE COL	92000
N Y	BRIARCLIFF COL	89000
N Y	PAUL SMITHS COL ARTS & SCI	65000
N C	ELON COL	146000
N C	SOUTHEASTN BAPT THEOL SEM	122000
N C	WINGATE COL	76000
OHIO	OHIO UNIV	935000
OKLA	OKLA ST U AGRIC & APP SCI	52000
PA	S T C BLOOMSBURG	500000
TEX	EAST TEX STATE COL	69000
TEX	TEX LUTHERAN COL	176000
WIS	UNIV OF WIS	877000

Garage

MD	UNIV OF MD	$ 3000
MD	UNIV OF MD	75000
MICH	UNIV OF MICH	630000
N M	N MEX WESTERN COL	8000
OREG	OREG STATE COL	14000

Nonteaching Hospital

MICH	MICH ST U AGRIC & APP SCI	1650000

Infirmary

CAL	CLAREMONT GRADUATE SCHOOL	12000
CAL	FULLERTON J C	71000
DEL	UNIV OF DEL	345000
IOWA	GRINNELL COL	110000
MO	STEPHENS COL	112000
PA	PA STATE UNIV	847000
WIS	BELOIT COL	23000

Maintenance Shop

CAL	BAKERSFIELD COL	14000
CAL	BAKERSFIELD COL	36000
CAL	CONTRA COSTA COL	28000
CAL	VENTURA COL	24000
GA	GA TEACHERS COL	40000
IOWA	DRAKE UNIV	52000
MD	UNIV OF MD	1000
MD	UNIV OF MD	3000
MASS	HARVARD UNIV	563000
MISS	UNIV OF MISS	138000
N M	N MEX WESTERN COL	10000
N Y	BROOME TECH COMMUNITY COL	100000
N Y	COLGATE UNIV	25000
N Y	HOFSTRA COL	19000
TENN	LAMBUTH COL	3000
TEX	TEX LUTHERAN COL	15000
UTAH	WEBER COL	93000

Multipurpose

CAL	UNIV CALIF ALL CAMPUSES	788000
COLO	FORT LEWIS A & M COL	627000
D C	IMMACULATA J C	465000
IOWA	UPPER IOWA UNIV	353000
KANS	MARYMOUNT COL	1322000
ME	ST JOSEPHS VOL	580000
MASS	ANNA MARIA COL FOR WOMEN	315000
MO	ROCKHURST COL	980000
NEV	UNIV OF NEV	200000
N H	PLYMOUTH TEACHERS COL	347000
N J	MONTCLAIR STATE COL	1540000
N Y	BROOME TECH COMMUNITY COL	233000
N Y	COLUMBIA U EX TEACHERS COL	250000
OKLA	NORTHEASTERN STATE COL	95000
S D	DAKOTA WESLEYAN UNIV	448000
TEX	SOUTHWESTN BAPT THEOL SEM	81000
TEX	SOUTHWESTERN UNIV	58000
TEX	TEMPLE J C	300000
W VA	GLENVILLE STATE COL	260000
WIS	NASHOTAH HOUSE	269000

Office Building

CAL	LONG BEACH STATE COL	$ 246000
ILL	UNIV OF ILL	1017000
LA	SOUTHERN UNIV & A & M COL	11000
N Y	CORNELL UNIV	100000
N Y	WEBB INST NAVAL ARCH	20000
OREG	PORTLAND STATE COL	129000
PA	BUCKNELL UNIV	145000

Stadium

CAL	PASADENA CITY COL	569000
COLO	UNIV OF COLO	1393000
MICH	MICH ST U AGRIC & APP SCI	450000
MICH	UNIV OF MICH	310000

Theater

CAL	BAKERSFIELD COL	622000
CAL	BAKERSFIELD COL	94000

Power and Heating Plant

CAL	COL OF THE HOLY NAMES	35000
CAL	EL CAMINO COL	43000
FLA	UNIV OF FLORIDA	1369000
ILL	UNIV OF ILL	1755000
IND	BALL S T C	480000
IND	EVANSVILLE COL	108000
MASS	BRANDEIS UNIV	213000
MINN	UNIV OF MINN	1500000
N Y	SUNY COL OF EDUC ALBANY	1084000
N C	SALEM COL	360000
TEX	RICE INSTITUTE	1203000
WASH	EASTERN WASH COL OF EDUC	181000
WASH	WASH STATE UNIV	96000
WASH	WHITWORTH COL	41000

Warehouse

CAL	DIABLO VALLEY COL	21000
LA	LA POLYTECHNIC INST	17000
MD	UNIV OF MD	19000
MICH	EASTERN MICH UNIV	65000
MO	STEPHENS COL	16000
N M	N MEX WESTERN COL	14000
OKLA	OKLA ST U AGRIC & APP SCI	18000
OREG	OREG STATE COL	10000

Other General

CAL	POMONA COL	38000
CAL	VENTURA COL	17000
GA	REINHARDT COL	10000
MD	GOUCHER COL	22000
MD	GOUCHER COL	139000
MICH	MICH ST U AGRIC & APP SCI	180000
MO	STEPHENS COL	34000
N Y	CORNELL UNIV	489000
N Y	ROBERTS WESLEYAN COL	16000
N C	WINGATE COL	27000
OHIO	OHIO STATE UNIV	1024000
OHIO	OHIO STATE UNIV	3437000
PA	PA STATE UNIV	159000
TEX	HOWARD COUNTY J C	29000
TEX	RICE INSTITUTE	252000

NEW CONSTRUCTION PROJECTS

COMPLETED in FISCAL YEAR

1957-58

by State and by Function

Laboratory School

CAL	STANFORD UNIV	$ 213000
CAL	STANFORD UNIV	97000
CAL	UNIV CALIF ALL CAMPUSES	429000
CONN	UNIV OF CONN	1579000
FLA	FLA A & M UNIV	383000
GA	GA STATE COL FOR WOMEN	46000
ILL	ILL STATE NORMAL UNIV	1751000
IOWA	IOWA S T C	565000
MINN	WINONA STATE COL	320000
N Y	ROBERTS WESLEYAN COL	15000
N D	UNIV OF N DAK	283000
WIS	MILWAUKEE SCHOOL OF ENGRG	150000

Field House

LA	TULANE UNIV OF LA	400000
OHIO	OHIO UNIV	350000
OKLA	SOUTHEASTERN STATE COL	355000
OKLA	SOUTHWESTERN STATE COL	510000
PA	ACAD OF THE NEW CHURCH	484000
TENN	UNIV OF CHATTANOOGA	150000

Gymnasium

ARIZ	GRAND CANYON COL	98000
ARK	COL OF THE OZARKS	223000
CAL	CAL ST POLY KELLG VOHRS	736000
CAL	CLAREMONT MENS COL	161000
CAL	COL OF THE HOLY NAMES	371000
CAL	DIABLO VALLEY COL	306000
CAL	DIABLO VALLEY COL	309000
CAL	EL CAMINO COL	423000
CAL	HUMBOLDT STATE COL	693000
CAL	LONG BEACH STATE COL	700000
CAL	LOS ANGELES HARBOR COL	500000
GA	MOREHOUSE COL	855000
KY	URSULINE COL	163000
MASS	BABSON INST OF BUS ADMIN	400000
MASS	S T C FITCHBURG	500000
N J	BLOOMFIELD COL & THEOL SEM	250000
N J	DREW UNIV	893000
N J	RIDER COL	462000
N M	UNIV OF N MEX	2150000
N Y	MANHATTANVL COL SAC HEART	1152000
OHIO	JOHN CARROLL UNIV	1495000
OREG	EASTERN OREG COL	625000
OREG	SOUTHERN OREG COL	528000
PA	UNIV OF PA	250000
TEX	TEX TECHNOLOGICAL COL	567000
UTAH	DIXIE J C	579000
VA	BRIDGEWATER COL	475000
VA	EASTERN MENNONITE COL	248000
WASH	EVERETT J C	307000
WASH	YAKIMA VALLEY J C	235000

Home Management

Laboratory House

CAL	HUMBOLDT STATE COL	$ 21000
LA	ST MARYS DOMINICAN COL	40000
WIS	UNIV OF WIS	125000

Academic Classroom

ALA	SPRING HILL COL	252000
ARIZ	UNIV OF ARIZ	575000
CAL	HUMBOLDT STATE COL	381000
CAL	HUMBOLDT STATE COL	324000
CAL	HUMBOLDT STATE COL	739000
CAL	LONG BEACH STATE COL	530000
CAL	LONG BEACH STATE COL	524000
CAL	MODESTO J C	768000
CAL	SACRAMENTO STATE COL	606000
CAL	SACRAMENTO STATE COL	538000
CAL	SAN DIEGO STATE COL	1650000
CAL	SAN FRANCISCO STATE COL	1224000
CAL	SANTA ANA COL	232000
CAL	SANTA ROSA J C	226000
CAL	STANFORD UNIV	545000
CAL	UNIV CALIF ALL CAMPUSES	5136000
CAL	UNIV CALIF ALL CAMPUSES	967000
CAL	WHITTIER COL	165000
COLO	COLO STATE UNIV	1797000
COLO	COLO STATE UNIV	259000
COLO	FORT LEWIS A & M COL	205000
D C	D C TEACHERS COL	789000
GA	EMORY UNIV	633000
IDA	UNIV OF IDAHO	138000
ILL	CHICAGO COL OF OSTEOPATHY	260000
ILL	ILL INST OF TECHNOLOGY	1250000
ILL	ILL STATE NORMAL UNIV	887000
ILL	NORTHERN ILL UNIV	1995000
ILL	UNIV OF ILL	764000
ILL	UNIV OF ILL	38000
IND	BALL S T C	900000
IND	IND UNIV	650000
IND	PURDUE UNIV	2441000
IND	PURDUE UNIV	275000
IND	TAYLOR UNIV	11000
IND	VINCENNES UNIV	45000
KANS	KANS ST U AGRIC & APP SCI	1415000
KANS	UNIV OF KANSAS	2695000
KY	UNIV OF LOUISVILLE	566000
LA	LA STATE UNIV & A & M COL	128000
LA	NORTHWESTERN ST COL OF LA	451000
MASS.	BOSTON UNIV	1700000
MASS	BOSTON UNIV	1735000
MASS	EMERSON COL	40000

Academic Classroom Contd

MICH	MICH COL MINING & TECHNOL	$ 1461000
MICH	MICH ST U AGRIC & APP SCI	4000000
MICH	NORTHERN MICH COL	1445000
MICH	UNIV OF MICH	7241000
MICH	UNIV OF MICH	3814000
MICH	WAYNE STATE UNIV	2000000
MINN	UNIV OF MINN	701000
MISS	MILLSAPS COL	125000
MO	WASHINGTON UNIV	58000
NEV	UNIV OF NEV	587000
N J	NEWARK COL OF ENGINEERING	1294000
N J	ST PETERS COL	925000
N M	EASTERN N MEX UNIV	186000
N M	N MEX MILITARY INST	307000
N Y	CORNELL UNIV	1910000
N Y	CORNELL UNIV	5539000
N Y	HOBART & WM SMITH COL	125000
N Y	HOFSTRA COL	482000
N Y	ITHACA COL	105000
N Y	N Y UNIV	1450000
N Y	ROSARY HILL COL	9000
N Y	SUNY COL OF EDUC BRKPT	1091000
N Y	UNIV OF BUFFALO	950000
N C	SALEM COL	167000
OHIO	OHIO STATE UNIV	1359000
OHIO	OHIO UNIV	450000
OHIO	UNIV OF CINCINNATI	1165000
OKLA	EAST CENTRAL STATE COL	442000
OKLA	OKLA COL FOR WOMEN	400000
OKLA	OKLA ST U AGRIC & APP SCI	707000
OREG	OREG STATE COL	1728000
PA	PA STATE UNIV	1448000
PA	SUSQUEHANNA UNIV	298000
PA	UNIV OF PA	225000
PA	VILLANOVA UNIV	1105000
TENN	TENN POLYTECHNIC INST	74000
TENN	UNIV OF CHATTANOOGA	800000
TEX	A & M COL OF TEX	1057000
TEX	LEE COL	322000
TEX	PRAIRIE VIEW A & M COL	323000
TEX	TEX SOUTHERN UNIV	2022000
UTAH	UNIV OF UTAH	688000
VA	VA MILITARY INST	1139000
VA	VPI AT BLACKSBURG	793000
WASH	SEATTLE UNIV	1097000
WASH	UNIV OF WASH	1383000
W VA	W VA UNIV	13017000
WIS	MARQUETTE UNIV	592000
GUAM	TERRITORIAL COL OF GUAM	3000
GUAM	TERRITORIAL COL OF GUAM	3000

Library

ARIZ	EASTERN ARIZ J C	48000
CAL	PACIFIC SCHOOL OF RELIGION	500000
CAL	SANTA ANA COL	276000
CAL	UNIV CALIF ALL CAMPUSES	760000
CAL	UNIV OF REDLANDS	265000
D C	AMERICAN UNIV	124000
FLA	UNIV OF MIAMI	66000
GA	BERRY COL	347000
ILL	ELMHURST COL	100000
IND	ANDERSON COL & THEOL SEM	544000
IOWA	MARYCREST COL	250000
KANS	TABOR COL	121000
MD	S T C AT TOWSON	427000
MD	UNIV OF MD	2557000

Library Contd

MICH	UNIV OF MICH	$ 2614000
MICH	WESTERN MICH UNIV	1443000
N J	RUTGERS THE STATE UNIV	400000
N M	N MEX WESTERN COL	281000
N Y	CANISIUS COL	780000
N Y	CITY COL OF CITY OF N Y	2503000
N Y	PAUL SMITHS COL ARTS & SCI	70000
OHIO	KENT STATE UNIV	1190000
OKLA	CENTRAL STATE COL	450000
OKLA	UNIV OF OKLA	3000000
PA	ST VINCENT COL	712000
PA	SETON HILL COL	450000
TENN	MIDDLE TENN STATE COL	405000
TEX	TEX SOUTHERN UNIV	897000
TEX	WAYLAND BAPTIST COL	248000
WASH	GONZAGA UNIV	630000
WASH	YAKIMA VALLEY J C	201000
W VA	ALDERSON BROADDUS COL	285000
WYO	UNIV OF WYO	1694000

Museum

N C	UNIV OF N C CHAPEL HILL	678000

Instructional Laboratory

ARK	JOHN BROWN UNIV	350000
CAL	CAL ST POLY SAN LUIS OB	1030000
CAL	CHICO STATE COL	889000
CAL	ORANGE COAST COL	265000
CAL	SACRAMENTO STATE COL	676000
CAL	UNIV CALIF ALL CAMPUSES	838000
CAL	UNIV CALIF ALL CAMPUSES	229000
CAL	UNIV OF REDLANDS	460000
CAL	UNIV OF SOUTHERN CALIF	400000
DEL	UNIV OF DEL	1355000
ILL	SOUTHERN ILL UNIV	257000
IND	IND TECHNICAL COL	413000
IOWA	GRAND VIEW COL	160000
ME	UNIV OF MAINE	550000
MD	HOOD COL	375000
MASS	MASS INST OF TECHNOLOGY	4150000
MICH	EASTERN MICH UNIV	1500000
MISS	ITAWAMBA J C	68000
N M	N MEX WESTERN COL	285000
N Y	SUNY COL OF EDUC BRKPT	12161000
N Y	SUNY COL OF EDUC BRKPT	2962000
N Y	SUNY COL OF EDUC BRKPT	2152000
N Y	SUNY COL OF EDUC BRKPT	393000
OHIO	MOUNT UNION COL	600000
OHIO	UNIV OF DAYTON	1645000
OKLA	OKLA ST U AGRIC & APP SCI	1041000
OKLA	OKLA ST U AGRIC & APP SCI	644000
OKLA	PANHANDLE A & M COL	204000
PA	ELIZABETHTOWN COL	233000
PA	PA STATE UNIV	6000
PA	WILKES COL	1024000
TENN	VANDERBILT UNIV	22000
VA	HOLLINS COL	28000
WASH	EVERETT J C	552000
WASH	YAKIMA VALLEY J C	151000
WASH	YAKIMA VALLEY J C	67000
GUAM	TERRITORIAL COL OF GUAM	5000

Swimming Pool

ARIZ	ARIZ STATE UNIV TEMPE	$ 230000
MONT	MONT STATE UNIV	275000
OKLA	PANHANDLE A & M COL	120000

Teaching Hospital

N Y	UNIV OF ROCHESTER	670000
VA	U OF VA AT CHARLOTTESVILLE	602000

Other Instructional

IND	DEPAUW UNIV	80000
IND	IND UNIV	47000
MO	KANS CITY COL OSTEOPATHY	269000
NEBR	UNIV OF NEBR	21000

Agriculture Research

ARIZ	UNIV OF ARIZ	43000
ARIZ	UNIV OF ARIZ	37000
CAL	ORANGE COAST COL	87000
CAL	UNIV CALIF ALL CAMPUSES	10000
CAL	UNIV CALIF ALL CAMPUSES	1000
CAL	UNIV CALIF ALL CAMPUSES	1000
CAL	UNIV CALIF ALL CAMPUSES	51000
CAL	UNIV CALIF ALL CAMPUSES	4000
IDA	UNIV OF IDAHO	103000
IDA	UNIV OF IDAHO	99000
ILL	SOUTHERN ILL UNIV	1807000
KANS	KANS ST U AGRIC & APP SCI	113000
LA	LA STATE UNIV & A & M COL	150000
LA	LA STATE UNIV & A & M COL	154000
MD	UNIV OF MD	40000
MD	UNIV OF MD	34000
MD	UNIV OF MD	16000
MD	UNIV OF MD	39000
MISS	MISS STATE UNIV	36000
NEBR	UNIV OF NEBR	95000
NEV	UNIV OF NEV	1553000
NEV	UNIV OF NEV	36000
N J	RUTGERS THE STATE UNIV	50000
N J	RUTGERS THE STATE UNIV	694000
N J	RUTGERS THE STATE UNIV	1275000
VA	VPI AT BLACKSBURG	50000
VA	VPI AT BLACKSBURG	75000
VA	VPI AT BLACKSBURG	8000
WASH	WASH STATE UNIV	51000
WASH	WASH STATE UNIV	82000
WASH	WASH STATE UNIV	25000
WIS	UNIV OF WIS	31000
WIS	UNIV OF WIS	423000
WIS	UNIV OF WIS	98000

Astronomy Research

CAL	U OF CAL MT HAMILTON	240000
WIS	UNIV OF WIS	200000

Biology Research

COLO	UNIV OF COLO	15000
OHIO	OHIO STATE UNIV	731000
TEX	RICE INSTITUTE	978000
UTAH	UNIV OF UTAH	126000
UTAH	UNIV OF UTAH	16000
UTAH	UTAH ST U AGRIC & APP SCI	100000
VA	MEDICAL COL OF VA	14000

Physics Research

CAL	STANFORD UNIV	$ 226000
ILL	UNIV OF CHICAGO	21000

Other Physical Science Research

FLA	UNIV OF MIAMI	230000
ILL	UNIV OF CHICAGO	226000
IND	IND UNIV	57000
MASS	MASS INST OF TECHNOLOGY	2309000
MASS	UNIV OF MASS	1250000
TEX	RICE INSTITUTE	1287000

Dentistry Research

PA	UNIV OF PA	300000

Engineering Research

CAL	CALIF INST OF TECHNOLOGY	1733000
IND	PURDUE UNIV	399000
MICH	UNIV OF MICH	1606000
S D	S D ST C AGRI & MECH ARTS	850000

Medical Research

IOWA	STATE UNIV OF IOWA	1328000
MINN	UNIV OF MINN	322000
NEBR	UNIV OF NEBR	204000
N Y	CORNELL UNIV	156000
N Y	UNIV OF BUFFALO	1650000
N C	DUKE UNIV	210000
PA	UNIV OF PA	850000

Faculty Apartment

KANS	KANS WESLEYAN UNIV	120000
MICH	MICH ST U AGRIC & APP SCI	600000
MINN	COL OF ST BENEDICT	8000
N D	N DAK AGRIC COL	151000
OHIO	HIRAM COL	70000
VA	U OF VA AT CHARLOTTESVILLE	130000

Faculty and Staff House

ALAS	U OF ALASKA	53000
ALAS	U OF ALASKA	53000
ALAS	U OF ALASKA	53000
ARIZ	UNIV OF ARIZ	11000
CAL	U OF CAL MT HAMILTON	23000
CAL	UNIV CALIF ALL CAMPUSES	20000
CAL	UNIV CALIF ALL CAMPUSES	20000
FLA	FLA A & M UNIV	17000
MISS	ITAWAMBA J C	5000
MISS	MISS VOCATIONAL COL	5000
MISS	MISS VOCATIONAL COL	8000
MISS	MISS VOCATIONAL COL	8000
MISS	MISS VOCATIONAL COL	8000
MISS	MISS VOCATIONAL COL	8000
MISS	MISS VOCATIONAL COL	8000
MONT	MONT STATE COL	15000
OHIO	MALONE COL	16000
VA	U OF VA AT CHARLOTTESVILLE	135000

Fraternity and Sorority House

ARK	UNIV OF ARK	$ 137000
FLA	FLA STATE UNIV	140000
FLA	FLA STATE UNIV	136000
FLA	FLA STATE UNIV	139000
MD	UNIV OF MD	117000
MD	UNIV OF MD	98000
MISS	UNIV OF MISS	83000
MISS	UNIV OF MISS	144000
MO	WESTMINSTER COL	125000
PA	CARNEGIE INST TECHNOLOGY	370000
WIS	BELOIT COL	90000
WIS	BELOIT COL	210000

Married Students' Apartment

COLO	FORT LEWIS A & M COL	60000
COLO	UNIV OF COLO	961000
FLA	UNIV OF MIAMI	242000
IDA	UNIV OF IDAHO	546000
IND	IND UNIV	3260000
IND	IND UNIV	1425000
IND	PURDUE UNIV	9558000
KANS	KANS WESLEYAN UNIV	150000
KANS	WASHBURN UNIV OF TOPEKA	334000
KY	ASBURY THEOL SEM	36000
LA	MCNEESE STATE COL	167000
MICH	CENTRAL MICH UNIV	1705000
MICH	MICH ST U AGRIC & APP SCI	5000000
MINN	UNIV OF MINN	1114000
MONT	MONT STATE COL	200000
MONT	MONT STATE COL	9000
MONT	WEST MONT COL OF EDUC	196000
NEBR	UNIV OF NEBR	398000
N Y	COLGATE ROCHESTER DIV SCH	164000
OHIO	UNITED THEOL SEM	440000
OKLA	OKLA ST U AGRIC & APP SCI	1890000
OREG	LINFIELD COL	101000
PA	WESTMINSTER THEOL SEM	50000
TENN	GEORGE PEABODY COL TCHRS	474000
TENN	UNIV OF THE SOUTH	25000
TEX	AUSTIN PRESB THEOL SEM	220000
UTAH	BRIGHAM YOUNG UNIV	540000
WASH	WASH STATE UNIV	853000
WIS	UNIV OF WIS	827000

Men's Residence Hall

ALA	UNIV OF ALA	325000
ARIZ	ARIZ STATE UNIV TEMPE	1017000
ARIZ	UNIV OF ARIZ	957000
CAL	LOYOLA UNIV OF LOS ANGELES	782000
CAL	POMONA COL	128000
COLO	COLO SCHOOL OF MINES	259000
COLO	COLO STATE UNIV	1380000
COLO	COLO STATE UNIV	1340000
COLO	FORT LEWIS A & M COL	215000
COLO	FORT LEWIS A & M COL	215000
COLO	REGIS COL	680000
CONN	CENTRAL CONN STATE COL	475000
CONN	UNIV OF CONN	1308000
FLA	ROLLINS COL	218000
GA	UNIV OF GEORGIA	399000
IDA	IDAHO STATE COL	1100000
IDA	UNIV OF IDAHO	358000
ILL	AURORA COL	228000

Men's Residence Hall Contd

ILL	SOUTHERN ILL UNIV	$ 529000
ILL	SOUTHERN ILL UNIV	529000
ILL	WESTERN ILL UNIV	360000
IND	BALL S T C	1265000
IND	PURDUE UNIV	2595000
IND	PURDUE UNIV	2597000
IND	TRI STATE COL	194000
IND	TRI STATE COL	196000
IOWA	DRAKE UNIV	440000
IOWA	DRAKE UNIV	895000
IOWA	IOWA ST UNIV OF SCI & TECH	1600000
KANS	BETHANY COL	230000
KANS	COL OF EMPORIA	350000
KY	GEORGETOWN COL	330000
LA	LA STATE UNIV & A & M COL	717000
LA	MCNEESE STATE COL	520000
LA	SOUTHERN UNIV & A & M COL	127000
MD	JOHNS HOPKINS UNIV	1745000
MASS	UNIV OF MASS	580000
MICH	CENTRAL MICH UNIV	1322000
MICH	FERRIS INST	681000
MICH	FERRIS INST	759000
MICH	WESTERN MICH UNIV	1300000
MINN	BETHEL COL & SEM	172000
MINN	MACALESTER COL	460000
MINN	MANKATO STATE COL	840000
MINN	WINONA STATE COL	660000
MISS	ITAWAMBA J C	19000
MISS	MISS STATE UNIV	950000
MO	ROCKHURST COL	698000
MO	WESTMINSTER COL	193000
MO	WESTMINSTER COL	193000
MONT	EASTERN MONT COL OF EDUC	328000
MONT	NORTHERN MONT COL	495000
MONT	WEST MONT COL OF EDUC	188000
NEBR	NEBR S T C KEARNEY	290000
NEBR	UNIV OF NEBR	794000
N J	WESTMINSTER CHOIR COL	432000
N M	N MEX INST MINING & TECH	459000
N Y	ADELPHI COL	491000
N Y	COLGATE UNIV	844000
N Y	CORNELL UNIV	300000
N Y	MANHATTAN COL	910000
N Y	RENSSELAER POLY INST	1230000
N Y	ROCKEFELLER INST	633000
N Y	UNIV OF ROCHESTER	668000
N C	BREVARD COL	164000
N C	DUKE UNIV	1200000
N D	S T C MAYVILLE	95000
N D	UNIV OF N DAK	616000
OHIO	WILMINGTON COL	550000
OKLA	OKLA CITY UNIV	319000
OKLA	OKLA CITY UNIV	319000
OREG	OREG STATE COL	795000
OREG	OREG STATE COL	795000
OREG	UNIV OF OREG	1342000
PA	GANNON COL	654000
PA	UNIV OF PA	1000000
PA	VILLANOVA UNIV	1100000
R I	BROWN UNIV	3016000
S C	CLEMSON AGRIC COL	100000
S C	FURMAN UNIV	1294000
S C	UNIV OF S C	1262000
S C	WOFFORD COL	660000
TENN	TENN WESLEYAN COL	300000
TENN	VANDERBILT UNIV	2176000

Men's Residence Hall Contd

TEX	AUSTIN COL	$ 556000
TEX	KILGORE COL	220000
TEX	NORTH TEX STATE COL	787000
TEX	SUL ROSS STATE COL	100000
TEX	TEX LUTHERAN COL	316000
TEX	WAYLAND BAPTIST COL	88000
UTAH	CARBON COL	146000
VA	VPI AT BLACKSBURG	1793000
WASH	COL OF PUGET SOUND	341000
WASH	GONZAGA UNIV	750000
WASH	ST MARTINS COL	578000
WASH	UNIV OF WASH	2613000
WIS	MARQUETTE UNIV	3029000
WIS	WIS STATE COL STEVNS POINT	436000

Women's Residence Hall

ALAS	U OF ALASKA	904000
ARIZ	ARIZ STATE UNIV TEMPE	1456000
ARIZ	UNIV OF ARIZ	1193000
ARK	HENDRIX COL	325000
CAL	COL OF THE HOLY NAMES	1910000
COLO	FORT LEWIS A & M COL	215000
CONN	ANNHURST COL	550000
CONN	CENTRAL CONN STATE COL	475000
CONN	UNIV OF BRIDGEPORT	1500000
GA	TIFT COL	217000
ILL	ILL COL	236000
ILL	UNIV OF CHICAGO	2771000
ILL	UNIV OF ILL	2380000
ILL	WESTERN ILL UNIV	630000
IND	ANDERSON COL & THEOL SEM	545000
IOWA	CENTRAL COL	219000
IOWA	IOWA ST UNIV OF SCI & TECH	2000000
IOWA	UPPER IOWA UNIV	95000
IOWA	WARTBURG COL	334000
KANS	MOUNT ST SCHOLASTICA COL	1007000
LA	MCNEESE STATE COL	342000
LA	SOUTHERN UNIV & A & M COL	493000
MD	GOUCHER COL	1000000
MD	HOOD COL	492000
MD	S T C AT TOWSON	504000
MASS	BOUVE BOSTON SCHOOL	766000
MASS	COL OF OUR LADY OF ELMS	194000
MASS	NEWTON COL SACRED HEART	791000
MASS	SMITH COL	1800000
MASS	WHEATON COL	542000
MICH	EASTERN MICH UNIV	1250000
MICH	EASTERN MICH UNIV	1250000
MINN	BETHEL COL & SEM	185000
MINN	HAMLINE UNIV	721000
MINN	MACALESTER COL	460000
MO	CENTRAL MO STATE COL	601000
NEBR	NEBR S T C KEARNEY	290000
NEBR	NEBR S T C WAYNE	673000
NEBR	UNIV OF NEBR	542000
NEV	UNIV OF NEV	72000
N H	UNIV OF N H	437000
N Y	ADELPHI COL	491000
N Y	KEUKA COL	274000
N Y	MANHATTANVL COL SAC HEART	2301000
N Y	RUSSELL SAGE COL	832000
N C	CATAWBA COL	93000
N C	SALEM COL	485000
N C	UNIV OF N C CHAPEL HILL	281000
N D	JAMESTOWN COL	666000

Women's Residence Hall Contd

OHIO	MALONE COL	$ 250000
OHIO	COL OF WOOSTER	490000
OHIO	LAKE ERIE COL	303000
OHIO	MARIETTA COL	224000
OHIO	OHIO UNIV	2250000
OHIO	WITTENBERG UNIV	316000
OKLA	OKLA CITY UNIV	319000
OKLA	OKLA CITY UNIV	319000
OREG	EASTERN OREG COL	710000
OREG	LEWIS & CLARK COL	241000
PA	JUNIATA COL	645000
PA	MOORE INST ART SCI & IND	1242000
PA	PA STATE UNIV	1391000
PA	PA STATE UNIV	1422000
PA	PA STATE UNIV	1384000
PA	PA STATE UNIV	1418000
PA	ST FRANCIS COL	311000
PA	ST FRANCIS COL	358000
PA	SETON HILL COL	521000
PA	TEMPLE UNIV	1130000
PA	THIEL COL	305000
PA	WESTMINSTER COL	1180000
TENN	UNION UNIV	355000
TEX	AUSTIN COL	568000
TEX	BAYLOR U AT WACO	2000000
TEX	TEX TECHNOLOGICAL COL	1458000
TEX	UNIV OF TEX	3888000
VA	COL WM & M AT WMSBURG	746000
VA	PRESBYTERIAN SCH CHRIS ED	185000
WASH	COL OF PUGET SOUND	341000
W VA	ALDERSON BROADDUS COL	448000
WIS	EDGEWOOD COL SACRED HEART	761000
WIS	VITERBO COL	408000

Other Residential

NEBR	UNIV OF NEBR	994000
PA	GROVE CITY COL	75000
TEX	AUSTIN COL	84000
WYO	UNIV OF WYO	7000

College Union

ARK	HENDERSON S T C	275000
CAL	LOS ANGELES PACIFIC COL	22000
CAL	UNIV CALIF ALL CAMPUSES	2904000
CAL	UNIV CALIF ALL CAMPUSES	125000
COLO	FORT LEWIS A & M COL	111000
FLA	FLA A & M UNIV	182000
GA	MERCER UNIV	625000
ILL	BRADLEY UNIV	441000
ILL	WESTERN ILL UNIV	510000
KANS	MOUNT ST SCHOLASTICA COL	803000
MASS	BRANDEIS UNIV	220000
MICH	FERRIS INST	985000
MICH	WESTERN MICH UNIV	2200000
MISS	MILLSAPS COL	575000
MONT	WEST MONT COL OF EDUC	216000
NEBR	NEBR S T C KEARNEY	268000
N H	UNIV OF N H	1325000
N Y	BROOME TECH COMMUNITY COL	750000
N Y	MARIAN COL	30000
N Y	WELLS COL	858000

College Union Contd

OHIO	MARIETTA COL	$ 430000
OHIO	WESTERN RESERVE UNIV	251000
OHIO	WILMINGTON COL	250000
OKLA	EAST CENTRAL STATE COL	42000
OREG	PORTLAND STATE COL	1109000
OREG	SOUTHERN OREG COL	328000
PA	WESTMINSTER COL	310000
S D	S D ST C AGRI & MECH ARTS	400000
S D	SOUTHERN S T C	100000
TENN	UNIV OF CHATTANOOGA	450000
WASH	WASH STATE UNIV	62000

Food Facility

CAL	CAL ST POLY KELLG VOHRS	441000
CAL	SAN JOSE STATE COL	1090000
CAL	UNIV CALIF ALL CAMPUSES	804000
CAL	WHITTIER COL	646000
COLO	REGIS COL	272000
CONN	CENTRAL CONN STATE COL	450000
ILL	CARTHAGE COL	19000
ILL	SOUTHERN ILL UNIV	700000
IOWA	CENTRAL COL	149000
LA	SOUTHERN UNIV & A & M COL	55000
MICH	EASTERN MICH UNIV	900000
MINN	BEMIDJI STATE COL	405000
MO	WESTMINSTER COL	289000
MONT	MONT STATE UNIV	425000
N Y	CORNELL UNIV	173000
N Y	HOLY TRINITY ORTHODOX SEM	150000
N C	CATAWBA COL	32000
OHIO	ANTIOCH COL	600000
OKLA	OKLA MILITARY ACAD	50000
OREG	LEWIS & CLARK COL	386000
OREG	OREG STATE COL	539000
PA	LEBANON VALLEY COL	350000
PA	PA STATE UNIV	884000
S C	FURMAN UNIV	1024000
TENN	AUSTIN PEAY STATE COL	253000
TENN	SOUTHWESTERN AT MEMPHIS	235000
W VA	MORRIS HARVEY COL	320000

Infirmary

CAL	CALIF INST OF TECHNOLOGY	182000
CAL	SACRAMENTO STATE COL	158000
NEBR	UNIV OF NEBR	543000
N Y	CORNELL UNIV	505000
PA	MUHLENBERG COL	60000

Auxiliary Enterprise

CAL	CLAREMONT MENS COL	29000
CAL	SAN JOSE STATE COL	85000
IND	PURDUE UNIV	2275000
IND	PURDUE UNIV	85000
IOWA	STATE UNIV OF IOWA	213000
IOWA	STATE UNIV OF IOWA	84000
LA	LA STATE UNIV & A & M COL	8000
N M	N MEX MILITARY INST	70000
OKLA	OKLA MILITARY ACAD	12000
TENN	VANDERBILT UNIV	71000
TEX	TEX TECHNOLOGICAL COL	75000
W VA	W VA UNIV	268000

Administration Building

MD	UNIV OF MD	$ 466000
NEBR	UNIV OF NEBR	833000
N Y	CORNELL UNIV	938000
N C	BREVARD COL	325000
OHIO	RIO GRANDE COL	200000
TEX	UNIV OF CORPUS CHRISTI	45000
WASH	EVERETT J C	422000

Armory

MD	MORGAN STATE COL	340000
S C	CLEMSON AGRIC COL	320000
TENN	UNIV OF TENN	1513000

Auditorium

CAL	STANFORD UNIV	769000
CAL	UNIV CALIF ALL CAMPUSES	1042000
OKLA	PANHANDLE A & M COL	256000
S C	NORTH GREENVILLE J C	194000
TEX	RICE INSTITUTE	724000
TEX	TEXARKANA COL	460000
WIS	MILWAUKEE INST TECHNOLOGY	638000

Chapel

ARK	ARK COL	420000
MASS	BRADFORD J C	91000
MICH	WAYNE STATE UNIV	1250000
MISS	MISS SOUTHERN COL	27000
OHIO	OHIO UNIV	300000
OREG	MULTNOMAH SCHOOL OF BIBLE	17000
TENN	DAVID LIPSCOMB COL	100000
TEX	A & M COL OF TEX	257000
WIS	EDGEWOOD COL SACRED HEART	278000

Extension and Experiment Station

N D	N DAK AGRIC COL	150000
WIS	UNIV OF WIS	2700000

Faculty Club

N Y	ROCKEFELLER INST	2163000

Garage

N Y	ADELPHI COL	20000

Nonteaching Hospital

CAL	BAKERSFIELD COL	1084000
VA	MEDICAL COL OF VA	6247000

Maintenance Shop

CAL	EL CAMINO COL	372000
CAL	SACRAMENTO STATE COL	214000
COLO	COLO STATE UNIV	353000
GA	EMORY UNIV	30000
GA	GA STATE COL FOR WOMEN	27000

Maintenance Shop Contd

IOWA	IOWA S T C	$ 14000
LA	SOUTHERN UNIV & A & M COL	129000
MD	UNIV OF MD	7000
MD	UNIV OF MD	8000
MD	UNIV OF MD	8000
MASS	HARVARD UNIV	134000
MASS	HARVARD UNIV	38000
MISS	UNIV OF MISS	71000
MO	CONCORDIA SEM	57000
NEBR	UNIV OF NEBR	283000
OHIO	WILMINGTON COL	60000
TENN	GEORGE PEABODY COL TCHRS	84000
TEX	STEPHEN F AUSTIN STATE COL	2000
VA	MEDICAL COL OF VA	70000

Multipurpose

CAL	COL OF MEDICAL EVANGELISTS	600000
FLA	STETSON UNIV	1100000
ILL	DEPAUL UNIV	2500000
ILL	MARYKNOLL SEM	2275000
IND	PURDUE UNIV	8509000
ME	OBLATE COL & SEM	11000
MD	GOUCHER COL	125000
MICH	DETROIT BIBLE INST	165000
N Y	MOLLOY CATH COL FOR WOMEN	2776000
N Y	ROCKEFELLER INST	1046000
OHIO	MALONE COL	560000
PA	LEHIGH UNIV	2600000
TEX	KILGORE COL	466000
TEX	STEPHEN F AUSTIN STATE COL	6000
WASH	EVERETT J C	491000
P R	CATHOLIC UNIV OF P R	197000

Office Building

ARIZ	ARIZ STATE UNIV TEMPE	14000
MICH	MICH ST U AGRIC & APP SCI	2500000
N C	UNIV OF N C CHAPEL HILL	40000

Stadium

FLA	FLA A & M UNIV	349000
GA	GA MILITARY COL	18000
MICH	FERRIS INST	151000
MICH	MICH ST U AGRIC & APP SCI	2000000

Theater

CAL	UNIV CALIF ALL CAMPUSES	712000
N Y	HOFSTRA COL	1066000

Power and Heating Plant

D C	AMERICAN UNIV	257000
ILL	ILL INST OF TECHNOLOGY	800000
ILL	NORTHWESTERN UNIV	2548000
MICH	UNIV OF MICH	294000
OHIO	MARIETTA COL	98000
OREG	EASTERN OREG COL	204000
WASH	EVERETT J C	173000

Warehouse

CONN	UNIV OF CONN	$ 507000
IND	PURDUE UNIV	120000
MONT	MONT STATE COL	8000

Other General

CAL	STANFORD UNIV	76000
CAL	UNIV CALIF ALL CAMPUSES	15000
IND	ST MEINRAD SEM	60000
KANS	BETHANY COL	175000
NEBR	UNIV OF NEBR	61000
N Y	CORNELL UNIV	240000
N Y	NIAGARA UNIV	187000
N Y	SUNY COL OF EDUC BRKPT	193000
TENN	UNIV OF THE SOUTH	145000
TENN	UNIV OF THE SOUTH	179000
TEX	A & M COL OF TEX	115000

NEW CONSTRUCTION PROJECTS
COMPLETED IN FISCAL YEAR
1958-59
by State and by Function

Laboratory School

ARIZ	ARIZ STATE COL FLAGSTAFF	$ 975000
ARIZ	UNIV OF ARIZ	158000
CAL	UNIV CALIF ALL CAMPUSES	179000
LA	LA STATE UNIV & A & M COL	73000
MICH	CENTRAL MICH UNIV	988000
MINN	ST CLOUD STATE COL	752000
OHIO	OHIO UNIV	1250000
OHIO	OHIO UNIV	1500000
R I	UNIV OF R I	92000
VA	MADISON COL	453000
VA	VA MILITARY INST	120000
WASH	EASTERN WASH COL OF EDUC	450000

Field House

CAL	VENTURA COL	719000
FLA	UNIV OF MIAMI	84000
MISS	MISS STATE UNIV	200000
NEBR	NEBR S T C WAYNE	738000
N D	STATE NORMAL & INDS COL	300000
OHIO	HIRAM COL	850000
OHIO	OBERLIN COL	60000
OKLA	OKLA CITY UNIV	175000

Gymnasium

ARK	COL OF THE OZARKS	223000
CAL	EL CAMINO COL	423000
CAL	UNIV CALIF ALL CAMPUSES	1574000
CAL	UNIV OF SAN FRANCISO	1044000
CONN	DANBURY S T C	635000
FLA	UNIV OF FLORIDA	184000
GA	ANDREW COL	39000
IND	GRACE THEOL SEM & COL	195000
ME	NASSON COL	140000
MASS	BOSTON UNIV	806000
MASS	DEAN J C	322000
MASS	S T C WORCESTER	1500000
MICH	MICH ST U AGRIC & APP SCI	2625000
MICH	MICH ST U AGRIC & APP SCI	4000000
MINN	UNIV OF MINN	450000
MO	NORTHEAST MO S T C	725000
MO	UNIV OF MO	80000
N M	N MEX ST U AGRI ENGR SCI	156000
N Y	KINGS COL	116000
N Y	QUEENS COL OF CITY OF N Y	3052000
N Y	SUNY COL OF EDUC OSWEGO	2336000
PA	EASTERN BAPTIST COL	227000
PA	NATIONAL AGRIC COL	158000
S C	BOB JONES UNIV	360000
S C	FURMAN UNIV	262000
S C	WINTHROP COL	207000
TENN	UNIV OF CHATTANOOGA	159000
VT	S T C CASTLETON	363000
VA	BRIDGEWATER COL	486000
WIS	SHEBOYGAN COUNTY TCHRS COL	216000

Home Management Laboratory House

CAL	FRESNO STATE COL	$ 62000
N J	MONTCLAIR STATE COL	69000

Academic Classroom

CAL	AMERICAN RIVER J C	394000
CAL	BIOLA COL	470000
CAL	CAL ST POLY KELLG VOHRS	548000
CAL	CALIF WESTERN UNIV	120000
CAL	CHICO STATE COL	848000
CAL	CLAREMONT MENS COL	86000
CAL	COL OF THE SEQUOIAS	17000
CAL	COMPTON DISTRICT J C	328000
CAL	FRESNO STATE COL	635000
CAL	LOS ANGELES PIERCE COL	166000
CAL	MOUNT SAN ANTONIO COL	364000
CAL	OAKLAND CITY COL	45000
CAL	ORANGE COAST COL	121000
CAL	POMONA COL	1046000
CAL	POMONA COL	179000
CAL	REEDLEY COL	60000
CAL	RIVERSIDE CITY COL	318000
CAL	SAN BERNARDINO VALLEY COL	895000
CAL	SAN DIEGO STATE COL	330000
CAL	SAN FRANCISCO STATE COL	533000
CAL	STANFORD UNIV	358000
CAL	UNIV CALIF ALL CAMPUSES	1081000
CAL	VENTURA COL	66000
CAL	VENTURA COL	97000
CAL	WHITTIER COL	164000
COLO	COLO SCHOOL OF MINES	946000
CONN	HARTFORD COL	30000
CONN	SOUTHERN CONN STATE COL	834000
CONN	WESLEYAN UNIV	836000
D C	GEORGETOWN UNIV	1500000
D C	GEORGETOWN VISITATION J C	587000
D C	HOWARD UNIV	4626000
FLA	FLA STATE UNIV	1029000
FLA	FLA STATE UNIV	1231000
FLA	GIBBS J C	182000
FLA	JACKSONVILLE UNIV	316000
FLA	PENSACOLA J C	598000
FLA	ST PETERSBURG J C	639000
FLA	UNIV OF FLORIDA	67000
FLA	UNIV OF MIAMI	204000
FLA	UNIV OF MIAMI	154000
GA	ALBANY STATE COL	134000
GA	ARMSTRONG COL OF SAVANNAH	210000
GA	UNIV OF GEORGIA	1700000
ILL	BRADLEY UNIV	546000
ILL	ILL STATE NORMAL UNIV	1250000
ILL	JOLIET J C	1031000

Academic Classroom Contd

IND	BALL S T C	$ 869000
IND	GRACE THEOL SEM & COL	195000
IND	IND UNIV	6077000
IND	IND UNIV	2210000
IND	PURDUE UNIV	10454000
IND	PURDUE UNIV	394000
IOWA	CLINTON J C	547000
IOWA	GRACELAND COL	40000
KANS	KANS S T C EMPORIA	995000
KANS	UNIV OF KANSAS	1300000
LA	LA STATE UNIV & A & M COL	224000
LA	SOUTHERN UNIV & A & M COL	737000
ME	COLBY COL	755000
MD	UNIV OF MD	56000
MASS	AMHERST COL	500000
MASS	BOSTON CONS OF MUSIC	135000
MASS	UNIV OF MASS	314000
MASS	UNIV OF MASS	2586000
MASS	UNIV OF MASS	1921000
MASS	WENTWORTH INST	74000
MASS	WESTERN NEW ENGLAND COL	395000
MICH	ALPENA COMMUNITY COL	611000
MICH	COMMUNITY COL & TECH INST	287000
MICH	MICH ST U AGRIC & APP SCI	1740000
MICH	SOUTH MACOMB COMMUNITY COL	320000
MICH	UNIV OF DETROIT	1000000
MINN	ST JOHNS UNIV	7000
MINN	UNIV OF MINN	800000
MINN	UNIV OF MINN	158000
MINN	UNIV OF MINN	300000
MISS	MISS COL	487000
MISS	UNIV OF MISS	373000
MO	CENTRAL MO STATE COL	1267000
MO	NORTHWEST MO STATE COL	1135000
MO	SOUTHWEST MO STATE COL	638000
MO	SOUTHWEST MO STATE COL	768000
MO	SOUTHWEST MO STATE COL	288000
MO	UNIV OF MO	412000
MONT	MONT STATE COL	1428000
NEBR	UNIV OF NEBR	804000
N J	RIDER COL	692000
N M	N MEX HIGHLANDS UNIV	300000
N Y	AUBURN COMMUNITY COL	1550000
N Y	CONCORDIA J C	113000
N Y	CORNELL UNIV	1916000
N Y	CORNELL UNIV	455000
N Y	FASHION INST OF TECH	12000000
N Y	GOOD COUNSEL COL	673000
N Y	HOLY TRINITY ORTHODOX SEM	12000
N Y	SUNY AG&TECH FARMINGDALE	407000
N Y	VASSAR COL	690000
N C	CATAWBA COL	322000
OHIO	BOWLING GREEN STATE UNIV	356000
OHIO	BOWLING GREEN STATE UNIV	831000
OHIO	MIAMI UNIV	1008000
OHIO	OBERLIN COL	120000
OHIO	OHIO STATE UNIV	1550000
OHIO	OHIO STATE UNIV	750000
OHIO	OHIO STATE UNIV	1050000
OHIO	UNIV OF CINCINNATI	964000
OHIO	WESTERN RESERVE UNIV	1727000
OKLA	CENTRAL STATE COL	175000
OKLA	EAST CENTRAL STATE COL	454000
OKLA	UNIV OF OKLA	604000
PA	BUCKNELL UNIV	1325000
PA	DICKINSON COL	620000
PA	DUQUESNE UNIV	2845000

Academic Classroom Contd

PA	ELIZABETHTOWN COL	$ 233000
PA	GROVE CITY COL	422000
PA	UNIV OF PA	600000
S C	CLEMSON AGRIC COL	1550000
S C	FURMAN UNIV	612000
TENN	EAST TENN STATE COL	130000
TENN	MEMPHIS STATE UNIV	301000
TENN	TENN AGRIC & INDUS ST UNIV	491000
TENN	UNIV OF CHATTANOOGA	825000
TENN	UNIV OF THE SOUTH	385000
TEX	A & M COL OF TEX	880000
TEX	ARLINGTON STATE COL	291000
TEX	ODESSA COL	62000
TEX	PRAIRIE VIEW A & M COL	106000
TEX	ST EDWARDS UNIV	236000
TEX	TEX SOUTHMOST COL	300000
TEX	UNIV OF HOUSTON	1352000
TEX	WEATHERFORD C PARKER CNTY	55000
VT	UNIV OF VT & ST AGRIC COL	338000
VA	COL WM & M RICH PROF INS	467000
VA	U OF VA MARY WASH COL	640000
VA	VA STATE COL	400000
WASH	PACIFIC LUTHERAN COL	218000
WASH	ST EDWARDS SEM	3500000
WASH	UNIV OF WASH	1617000
WASH	UNIV OF WASH	80000
WASH	WASH STATE UNIV	231000
WIS	LAWRENCE COL	1367000
WIS	TAYLOR COUNTY TEACHERS COL	260000

Library

CAL	COL OF MARIN	119000
CAL	COL OF THE SEQUOIAS	272000
CAL	LONG BEACH STATE COL	1500000
CAL	PACIFIC LUTHERAN THEOL SEM	145000
CAL	SACRAMENTO STATE COL	1100000
CAL	SAN DIEGO STATE COL	1433000
CAL	SAN FRANCISCO STATE COL	1341000
CAL	SANTA ANA COL	283000
D C	CATHOLIC UNIV OF AMERICA	671000
FLA	CHIPOLA J C	83000
GA	ALBANY STATE COL	220000
ILL	UNIV OF ILL	775000
IND	WABASH COL	950000
IOWA	BRIAR CLIFF COL	253000
IOWA	MARYCREST COL	262000
IOWA	WARTBURG COL	262000
KY	BRESCIA COL	300000
LA	LA STATE UNIV & A & M COL	2868000
MD	MONTGOMERY J C	140000
MD	S T C BOWIE	296000
MASS	HARVARD UNIV	706000
MINN	MANKATO STATE COL	1000000
MISS	MISS COL	357000
MO	ST LOUIS UNIV	3571000
N H	UNIV OF N H	1247000
N Y	COLGATE UNIV	2200000
N Y	NEW SCH FOR SOC RESEARCH	1045000
N Y	ORANGE COUNTY CMTY COL	263000
N C	ELIZ CITY S T C	23000
N C	WINGATE COL	200000
N D	S T C MAYVILLE	134000
N D	S T C MINOT	355000
PA	GWYNEDD MERCY J C	230000
PA	MESSIAH COL	240000
PA	ST FRANCIS COL	350000

Library Contd

PA	SUSQUEHANNA UNIV	$ 239000
S C	UNIV OF S C	903000
TENN	UNIV OF TENN	990000
TEX	TEX WESTERN COL	270000
WASH	LOWER COLUMBIA J C	122000
W VA	DAVIS & ELKINS COL	250000

Museum

MINN	UNIV OF MINN	379000

Instructional Laboratory

ALA	JUDSON COL	100000
CAL	AMERICAN RIVER J C	576000
CAL	AMERICAN RIVER J C	449000
CAL	CAL ST POLY KELLG VOHRS	457000
CAL	CAL ST POLY KELLG VOHRS	1817000
CAL	COALINGA COL	284000
CAL	FRESNO STATE COL	567000
CAL	FRESNO STATE COL	840000
CAL	LONG BEACH STATE COL	2260000
CAL	LONG BEACH STATE COL	275000
CAL	LOS ANGELES PACIFIC COL	128000
CAL	MONTEREY PENINSULA COL	240000
CAL	SANTA ANA COL	246000
CAL	STANFORD UNIV	50000
CAL	UNIV CALIF ALL CAMPUSES	2982000
CAL	UNIV CALIF ALL CAMPUSES	1284000
CAL	UNIV CALIF ALL CAMPUSES	20000
COLO	NORTHEASTERN J C	92000
FLA	JACKSONVILLE UNIV	247000
FLA	ORLANDO J C	266000
GA	PIEDMONT COL	133000
ILL	SOUTHERN ILL UNIV	105000
ILL	SOUTHERN ILL UNIV	33000
ILL	UNIV OF ILL	4515000
KANS	KANS ST U AGRIC & APP SCI	550000
KY	BEREA COL	628000
LA	LA STATE UNIV & A & M COL	125000
ME	GORHAM S T C	538000
MD	ST JOHNS COL	1250000
MASS	CLARK UNIV	650000
MICH	UNIV OF MICH	1821000
MICH	UNIV OF MICH	7606000
MO	SOUTHWEST MO STATE COL	39000
MO	UNIV OF MO	432000
N H	RIVIER COL	200000
N M	N MEX ST U AGRI ENGR SCI	78000
N Y	ST JOHNS UNIV	4497000
N Y	SUNY COL ON LONG ISLAND	136000
N Y	SUNY AG&TECH COBLESKILL	124000
N D	S T C MAYVILLE	90000
OHIO	OHIO STATE UNIV	950000
TENN	MEMPHIS STATE UNIV	224000
TENN	UNIV OF TENN	1015000
TEX	NORTH TEX STATE COL	702000
TEX	TRINITY UNIV	425000
TEX	UNIV OF TEX	67000
VA	LYNCHBURG COL	610000
WASH	EVERETT J C	14000
WASH	LOWER COLUMBIA J C	148000
WASH	SKAGIT VALLEY COL	367000

Swimming Pool

ALA	UNIV OF ALA	$ 356000
CAL	CLAREMONT MENS COL	71000
CAL	RIVERSIDE CITY COL	205000
N M	EASTERN N MEX UNIV	210000
OREG	UNIV OF OREG	498000

Teaching Hospital

FLA	UNIV OF FLORIDA	9000000
PA	UNIV OF PA	450000

Other Instructional

ALA	UNIV OF ALA	11000
CAL	LONG BEACH STATE COL	328000
CAL	MOUNT SAN ANTONIO COL	264000
CAL	PASADENA CITY COL	6000
D C	CATHOLIC UNIV OF AMERICA	13000
FLA	ST PETERSBURG J C	164000
MICH	MICH ST U AGRIC & APP SCI	500000
MINN	MINNEAPOLIS SCHOOL OF ART	187000
OHIO	MIAMI UNIV	220000
TEX	MCMURRY COL	119000
TEX	WEST TEX STATE COL	963000

Agriculture Research

ARIZ	UNIV OF ARIZ	74000
CAL	UNIV CALIF ALL CAMPUSES	232000
CAL	UNIV CALIF ALL CAMPUSES	3000
CAL	UNIV CALIF ALL CAMPUSES	36000
CAL	UNIV CALIF ALL CAMPUSES	198000
CAL	UNIV CALIF ALL CAMPUSES	9000
CAL	UNIV CALIF ALL CAMPUSES	312000
CAL	UNIV CALIF ALL CAMPUSES	35000
CAL	UNIV CALIF ALL CAMPUSES	151000
CAL	UNIV CALIF ALL CAMPUSES	4000
CAL	UNIV CALIF ALL CAMPUSES	66000
CAL	UNIV CALIF ALL CAMPUSES	108000
CAL	UNIV CALIF ALL CAMPUSES	59000
CAL	UNIV CALIF ALL CAMPUSES	1601000
CAL	UNIV CALIF ALL CAMPUSES	81000
CAL	UNIV CALIF ALL CAMPUSES	142000
CAL	UNIV CALIF ALL CAMPUSES	283000
CAL	UNIV CALIF ALL CAMPUSES	105000
CAL	UNIV CALIF ALL CAMPUSES	60000
CAL	UNIV CALIF ALL CAMPUSES	14000
FLA	UNIV OF FLORIDA	28000
IDA	UNIV OF IDAHO	21000
IOWA	IOWA ST UNIV OF SCI & TECH	19000
LA	LA STATE UNIV & A & M COL	1000
LA	LA STATE UNIV & A & M COL	5000
LA	SOUTHERN UNIV & A & M COL	469000
MD	UNIV OF MD	11000
MINN	UNIV OF MINN	1102000
MINN	UNIV OF MINN	1000000
MINN	UNIV OF MINN	100000
MINN	UNIV OF MINN	350000
MONT	MONT STATE COL	41000
MONT	MONT STATE COL	7000
PA	PA STATE UNIV	4000
PA	PA STATE UNIV	63000

Agriculture Research Contd

UTAH	UTAH ST U AGRIC & APP SCI	$ 43[illegible]0
UTAH	UTAH ST U AGRIC & APP SCI	12000
VA	VPI AT BLACKSBURG	30000
VA	VPI AT BLACKSBURG	36000
WASH	WASH STATE UNIV	300000

Astronomy Research

MICH	UNIV OF MICH	93000

Biology Research

ALA	UNIV OF ALA	10000
CAL	UNIV CALIF ALL CAMPUSES	71000
MASS	BRANDEIS UNIV	1050000
MISS	MISS STATE UNIV	27000
MO	WASHINGTON UNIV	311000
N Y	ROCKEFELLER INST	3072000
PA	BRYN MAWR COL	1144000
R I	BROWN UNIV	1322000

Chemistry Research

GA	GA INST OF TECHNOLOGY	400000
NEBR	UNIV OF NEBR	881000
N Y	UNIV OF BUFFALO	1821000

Mathematics and Statistics Research

ILL	UNIV OF ILL	380000
WIS	UNIV OF WIS	1122000

Physics Research

ALA	SPRING HILL COL	225000
CAL	STANFORD UNIV	101000
CONN	YALE UNIV	437000
D C	CATHOLIC UNIV OF AMERICA	1149000
MINN	CONCORDIA COL MOORHEAD	12000
N Y	UNION COL & UNIV	10000
OHIO	CASE INST OF TECHNOLOGY	855000
PA	PA STATE UNIV	409000

Other Physical Science Research

CONN	YALE UNIV	760000
CONN	YALE UNIV	690000

Social Science Research

CAL	UNIV CALIF ALL CAMPUSES	662000
N Y	LONG ISLAND UNIV	31000

Engineering Research

CONN	YALE UNIV	$ 1225000
FLA	UNIV OF FLORIDA	15000
FLA	UNIV OF FLORIDA	46000
FLA	UNIV OF FLORIDA	25000
FLA	UNIV OF FLORIDA	268000
ILL	ILL INST OF TECHNOLOGY	1200000
IOWA	IOWA ST UNIV OF SCI & TECH	163000
LA	SOUTHERN UNIV & A & M COL	350000
MINN	UNIV OF MINN	1133000
TEX	A & M COL OF TEX	162000

Medical Research

CONN	YALE UNIV	1120000
CONN	YALE UNIV	560000
D C	GEORGETOWN UNIV	3000000
N Y	UNIV OF ROCHESTER	536000
N D	UNIV OF N DAK	145000
OHIO	UNIV OF CINCINNATI	1554000
TENN	VANDERBILT UNIV	52000

Faculty Apartment

CAL	MENLO COL	29000
KY	BEREA COL	110000
MD	UNIV OF MD	73000
MD	UNIV OF MD	73000
MD	UNIV OF MD	85000
MD	UNIV OF MD	85000
MICH	NORTHERN MICH COL	166000
N Y	ST JOHNS UNIV	1000000
N Y	WELLS COL	82000
OHIO	WILMINGTON COL	102000
OKLA	CONNORS STATE AGRIC COL	12000
S C	CITADEL	540000

Faculty and Staff House

IND	HANOVER COL	50000
IND	HANOVER COL	15000
IND	HANOVER COL	27000
MASS	WENTWORTH INST	15000
MO	HANNIBAL LA GRANGE COL	21000
N Y	SUNY COL OF FORESTRY	62000
N Y	WELLS COL	30000
OKLA	PANHANDLE A & M COL	55000
PA	LUTHERAN THEOL SEM PHILA	45000
PA	PA STATE UNIV	19000
VA	U OF VA AT CHARLOTTESVILLE	133000

Fraternity and Sorority House

COLO	COLO STATE COL	66000
GA	UNIV OF GEORGIA	141000
GA	UNIV OF GEORGIA	140000
GA	UNIV OF GEORGIA	75000
ILL	ILL INST OF TECHNOLOGY	225000
MD	UNIV OF MD	103000
N Y	CORNELL UNIV	266000
TEX	SAM HOUSTON S T C	875000

Hotel-type Accommodation

CAL	UNIV OF SAN FRANCISO	1252000

Married Students' Apartment

ALAS	U OF ALASKA	$ 279000
ARK	HARDING COL	650000
ARK	UNIV OF ARK	692000
CAL	AZUSA COL	13000
CAL	AZUSA COL	13000
CAL	AZUSA COL	13000
CAL	AZUSA COL	13000
CAL	UNIV OF REDLANDS	24000
COLO	ADAMS STATE COL	457000
FLA	UNIV OF FLORIDA	1678000
ILL	ILL STATE NORMAL UNIV	700000
ILL	UNIV OF CHICAGO	1125000
IOWA	IOWA S T C	167000
KANS	UNIV OF KANSAS	1065000
KY	UNIV OF KY	2090000
LA	LA STATE UNIV & A & M COL	894000
MICH	FERRIS INST	711000
MICH	MICH ST U AGRIC & APP SCI	7430000
MICH	NORTHERN MICH COL	742000
MICH	UNIV OF MICH	2916000
MISS	UNIV OF MISS	890000
MO	EDEN THEOL SEM	275000
MO	NORTHEAST MO S T C	240000
N M	N MEX ST U AGRI ENGR SCI	1373000
N C	CAMPBELL COL	175000
OHIO	MIAMI UNIV	1000000
OKLA	SOUTHWESTERN STATE COL	235000
PA	CARNEGIE INST TECHNOLOGY	710000
S C	FURMAN UNIV	233000
S D	S D ST C AGRI & MECH ARTS	340000
S D	STATE UNIV OF S DAK	330000
TEX	SAM HOUSTON S T C	451000
TEX	SOUTHWEST TEX STATE COL	315000
WASH	SEATTLE PACIFIC COL	20000
WASH	SEATTLE PACIFIC COL	20000
WASH	SEATTLE PACIFIC COL	20000
WASH	SEATTLE PACIFIC COL	20000
WASH	SEATTLE PACIFIC COL	20000
WIS	UNIV OF WIS	823000

Men's Residence Hall

ALA	ALA A & M COL	220000
ALA	JACKSONVILLE STATE COL	398000
ALA	ST BERNARD COL	288000
ALA	TROY STATE COL	373000
ALAS	U OF ALASKA	524000
ARK	ARK STATE COL	600000
ARK	ARK S T C	330000
CAL	CALIF MARITIME ACAD	750000
CAL	MENLO COL	350000
CAL	STANFORD UNIV	994000
CAL	UNIV OF SOUTHERN CALIF	249000
CAL	UNIV OF SOUTHERN CALIF	1041000
COLO	ADAMS STATE COL	319000
COLO	COLO COL	267000
DEL	UNIV OF DEL	526000
DEL	UNIV OF DEL	567000
D C	GEORGETOWN UNIV	1200000
D C	HOWARD UNIV	1834000
FLA	STETSON UNIV	446000
FLA	UNIV OF FLORIDA	1960000
FLA	UNIV OF TAMPA	227000
GA	CLARK COL	450000
GA	MORRIS BROWN COL	200000
GA	REINHARDT COL	147000

Men's Residence Hall Contd

IDA	UNIV OF IDAHO	$ 357000
IDA	UNIV OF IDAHO	207000
ILL	MACMURRAY COL	516000
ILL	QUINCY COL	610000
ILL	SHIMER COL	355000
ILL	UNIV OF ILL	6372000
IND	PURDUE UNIV	2788000
IND	ST JOSEPHS COL	311000
IND	ST JOSEPHS COL	311000
IOWA	WARTBURG COL	376000
KANS	BAKER UNIV	515000
KANS	BETHEL COL	367000
KANS	FRIENDS UNIV	316000
KANS	KANS S T C EMPORIA	355000
KANS	UNIV OF KANSAS	1460000
KANS	WASHBURN UNIV OF TOPEKA	280000
KY	CANEY J C	80000
KY	UNIV OF KY	150000
LA	LA POLYTECHNIC INST	684000
LA	LA STATE UNIV & A & M COL	1018000
LA	NORTHWESTERN ST COL OF LA	302000
LA	SOUTHEASTERN LA COL	552000
ME	BOWDOIN COL	447000
MD	UNIV OF MD	124000
MD	UNIV OF MD	286000
MD	UNIV OF MD	64000
MASS	S T C FITCHBURG	1500000
MASS	UNIV OF MASS	534000
MICH	FERRIS INST	276000
MICH	FERRIS INST	773000
MICH	MICH COL MINING & TECHNOL	3039000
MINN	UNIV OF MINN	2150000
MISS	COAHOMA J C	62000
MISS	MILLSAPS COL	428000
MISS	UNIV OF MISS	300000
MISS	UNIV OF MISS	520000
MO	CENTRAL MO STATE COL	331000
MO	NORTHEAST MO S T C	468000
MO	NORTHWEST MO STATE COL	543000
MO	SOUTHWEST MO STATE COL	694000
MO	UNIV OF MO	2097000
MO	UNIV OF MO	1880000
MO	WESTMINSTER COL	200000
MO	WESTMINSTER COL	200000
N J	RIDER COL	668000
N J	UPSALA COL	1074000
N M	N MEX INST MINING & TECH	459000
N Y	CLARKSON COL OF TECHNOLOGY	1250000
N Y	HAMILTON COL	1441000
N Y	IONA COL	868000
N Y	ROCKEFELLER INST	2489000
N Y	SUNY COL OF EDUC BUFFALO	732000
N C	EAST CAROLINA COL	1425000
N C	LENOIR RHYNE COL	574000
OHIO	HIRAM COL	370000
OHIO	MIAMI UNIV	1600000
OHIO	MUSKINGUM COL	350000
OHIO	OHIO NORTHERN UNIV	600000
OHIO	OHIO STATE UNIV	6700000
OKLA	OKLA BAPTIST UNIV	704000
OKLA	PHILLIPS UNIV	164000
OREG	REED COL	362000
PA	PA MILITARY COL	485000
PA	UNIV OF PA	875000
PA	UNIV OF SCRANTON	750000
PA	WAYNESBURG COL	500000
R I	UNIV OF R I	676000

Men's Residence Hall Contd

S C	FURMAN UNIV	$ 1476000
S C	NEWBERRY COL	168000
S D	GEN BEADLE S T C	175000
S D	S DAK SCH MINES & TECHNOL	440000
S D	SOUTHERN S T C	210000
S D	STATE UNIV OF S DAK	720000
TENN	MIDDLE TENN STATE COL	523000
TENN	TENN POLYTECHNIC INST	403000
TEX	SAM HOUSTON S T C	990000
TEX	SOUTHWEST TEX STATE COL	472000
TEX	TARLETON STATE COL	515000
TEX	TEX TECHNOLOGICAL COL	2667000
TEX	TEX TECHNOLOGICAL COL	2782000
TEX	TYLER J C	114000
TEX	UNIV OF CORPUS CHRISTI	309000
UTAH	BRIGHAM YOUNG UNIV	3909000
UTAH	UTAH ST U AGRIC & APP SCI	1212000
VA	ROANOKE COL	170000
WASH	PACIFIC LUTHERAN COL	53000
W VA	FAIRMONT STATE COL	521000
W VA	W VA UNIV	1107000
WIS	RIPON COL	401000
WIS	RIPON COL	401000
WIS	UNIV OF WIS	2054000
WIS	WIS STATE COL LA CROSSE	475000
WIS	WIS STATE COL RIVER FALLS	475000

Women's Residence Hall

CAL	CALIF WESTERN UNIV	270000
CAL	COL OF THE PACIFIC	1574000
CAL	LA VERNE COL	227000
CAL	MOUNT ST MARYS COL	850000
CAL	UNIV OF SOUTHERN CALIF	1109000
COLO	ADAMS STATE COL	273000
COLO	LORETTO HEIGHTS COL	1093000
CONN	SOUTHERN CONN STATE COL	401000
CONN	WILLIMANTIC STATE COL	495000
CONN	YALE UNIV	1277000
DEL	UNIV OF DEL	526000
DEL	UNIV OF DEL	567000
FLA	FLA A & M UNIV	400000
FLA	ROLLINS COL	551000
FLA	UNIV OF MIAMI	2947000
FLA	UNIV OF TAMPA	228000
GA	EMORY UNIV	1200000
GA	REINHARDT COL	156000
GA	WESLEYAN COL	370000
IND	BETHEL COL INC	225000
IND	EVANSVILLE COL	441000
IOWA	STATE UNIV OF IOWA	4661000
KANS	FRIENDS UNIV	380000
KY	BEREA COL	196000
KY	UNIV OF KY	1087000
KY	UNIV OF KY	900000
LA	LA POLYTECHNIC INST	424000
LA	NORTHWESTERN ST COL OF LA	663000
LA	SOUTHEASTERN LA COL	371000
LA	SOUTHERN UNIV & A & M COL	589000
LA	TULANE UNIV OF LA	590000
MD	UNIV OF MD	501000
MD	UNIV OF MD	461000
MASS	ENDICOTT J C	343000
MASS	RADCLIFFE COL	856000
MASS	WHEATON COL	484000

Women's Residence Hall Contd

MICH	CENTRAL MICH UNIV	$ 1193000
MICH	MARYGROVE COL	555000
MICH	UNIV OF MICH	5600000
MINN	HAMLINE UNIV	815000
MINN	MOORHEAD STATE COL	1040000
MINN	ST CLOUD STATE COL	877000
MINN	UNIV OF MINN	1125000
MINN	WINONA STATE COL	351000
MISS	MILLSAPS COL	423000
MISS	MISS STATE COL FOR WOMEN	622000
MISS	MISS STATE COL FOR WOMEN	622000
MISS	MISS VOCATIONAL COL	60000
MISS	UNIV OF MISS	450000
MO	CENTRAL MO STATE COL	528000
MO	NORTHWEST MO STATE COL	692000
MO	SOUTHWEST MO STATE COL	696000
MO	WILLIAM WOODS COL	700000
NEBR	UNION COL	720000
N J	RIDER COL	332000
N J	UPSALA COL	1091000
N Y	KEUKA COL	274000
N Y	SKIDMORE COL	1327000
N Y	SUNY HARPUR COL	2044000
N Y	SUNY COL OF EDUC BRKPT	896000
N Y	SUNY COL OF EDUC FRDONIA	758000
N Y	SUNY COL OF EDUC GENESEO	1020000
N Y	SUNY COL OF EDUC NEW PTZ	1294000
N Y	SUNY COL OF EDUC ONEONTA	1010000
N Y	SUNY COL OF EDUC PLATSBG	845000
N Y	SUNY COL OF EDUC POTSDAM	827000
N Y	VASSAR COL	1291000
N C	CHOWAN COL	285000
OHIO	OHIO NORTHERN UNIV	340000
OKLA	PHILLIPS UNIV	214000
OREG	CONCORDIA COL	129000
OREG	PACIFIC UNIV	550000
PA	EASTERN BAPTIST COL	220000
PA	GETTYSBURG COL	491000
PA	GETTYSBURG COL	512000
PA	PHILA COL PHARMACY & SCI	400000
R I	UNIV OF R I	1100000
S C	CONVERSE COL	492000
S D	NORTHERN S T C	256000
TENN	CARSON NEWMAN COL	214000
TENN	FREED HARDEMAN COL	187000
TENN	MARYVILLE COL	415000
TEX	CISCO J C	90000
TEX	MCMURRY COL	495000
TEX	OUR LADY OF THE LAKE COL	411000
TEX	SOUTHWEST TEX STATE COL	193000
TEX	TEX LUTHERAN COL	300000
TEX	TYLER J C	119000
TEX	UNIV OF TEX	3930000
UTAH	UTAH ST U AGRIC & APP SCI	519000
VT	TRINITY COL	777000
VT	VERMONT COL	250000
VA	MADISON COL	633000
VA	MADISON COL	633000
VA	MEDICAL COL OF VA	360000
VA	ROANOKE COL	290000
VA	U OF VA MARY WASH COL	450000
VA	VA STATE COL	574000
WASH	COL OF PUGET SOUND	463000
WASH	SEATTLE PACIFIC COL	552000
WASH	WASH STATE UNIV	1441000
W VA	FAIRMONT STATE COL	143000
W VA	W VA WESLEYAN COL	712000
WIS	WIS STATE COL SUPERIOR	566000

President's Home

ARK	SOUTHERN STATE COL	$ 79000
GA	MIDDLE GA COL	45000
MD	JOHNS HOPKINS UNIV	199000
MASS	SPRINGFIELD COL	70000
N J	WESTMINSTER CHOIR COL	77000
TENN	CUMBERLAND UNIV	20000

Residence Hall with Separate Units for Men and Women

COLO	UNIV OF DENVER	1710000
ILL	ILL STATE NORMAL UNIV	290000
IND	IND UNIV	1125000
MINN	UNIV OF MINN	1180000
MINN	UNIV OF MINN	525000
TENN	UNIV OF TENN	908000
VA	MEDICAL COL OF VA	963000

Other Residential

CAL	BIOLA COL	55000
S C	CLEMSON AGRIC COL	45000

College Union

ALA	ALA A & M COL	265000
ALA	HUNTINGDON COL	689000
CAL	CONTRA COSTA COL	260000
CAL	IMMACULATE HEART COL	311000
CAL	MENLO COL	150000
CAL	OAKLAND CITY COL	25000
CAL	UNIV CALIF ALL CAMPUSES	189000
CAL	WHITTIER COL	653000
DEL	UNIV OF DEL	1353000
FLA	JACKSONVILLE UNIV	437000
FLA	SOUTHEASTERN BIBLE COL	20000
IDA	IDAHO STATE COL	1000000
IND	IND S T C	603000
IND	VINCENNES UNIV	250000
KY	MURRAY STATE COL	920000
KY	UNIV OF LOUISVILLE	1590000
MD	MORGAN STATE COL	300000
MASS	SPRINGFIELD COL	400000
MASS	STONEHILL COL	340000
MINN	ELY J C	365000
MINN	UNIV OF MINN	1176000
NEBR	NEBR S T C KEARNEY	400000
N J	FAIRLEIGH DICKINSON UNIV	705000
N Y	PRATT INST	1500000
OHIO	LAKE ERIE COL	760000
OHIO	OHIO NORTHERN UNIV	310000
OHIO	UNIV OF AKRON	931000
PA	LYCOMING COL	620000
PA	UNIV OF PA .	380000
S C	CITADEL	107000
S C	NEWBERRY COL	224000
TENN	EAST TENN STATE COL	525000
TENN	GEORGE PEABODY COL TCHRS	850000
TENN	UNIV OF CHATTANOOGA	501000
TEX	HOWARD COUNTY J C	320000
TEX	TEX WESTERN COL	660000
VA	U OF VA AT CHARLOTTESVILLE	3100000
WASH	EASTERN WASH COL OF EDUC	174000

College Union Contd

WIS	STOUT STATE COL	$ 450000
WIS	WIS STATE COL OSHKOSH	580000
WIS	WIS STATE COL RIVER FALLS	540000
WIS	WIS STATE COL STEVNS POINT	511000
WIS	WIS STATE COL SUPERIOR	485000
WIS	WIS STATE COL WHITEWATER	552000
WIS	WIS ST COL & INST OF TECH	723000

Food Facility

ARK	UNIV OF ARK	519000
CAL	CLAREMONT MENS COL	43000
CAL	LA VERNE COL	149000
CAL	MOUNT SAN ANTONIO COL	44000
CAL	SAN DIEGO STATE COL	643000
FLA	ROLLINS COL	391000
ILL	UNIV OF CHICAGO	1175000
IND	BALL S T C	320000
IND	PURDUE UNIV	553000
IOWA	WESTMAR COL	316000
LA	NORTHWESTERN ST COL OF LA	233000
LA	TULANE UNIV OF LA	420000
ME	UNIV OF MAINE	1000000
MASS	WHEATON COL	211000
MICH	HILLSDALE COL	276000
MICH	KALAMAZOO COL	500000
MINN	UNIV OF MINN	766000
MISS	NORTHWEST MISS J C	117000
MO	WESTMINSTER COL	258000
N J	DREW UNIV	618000
N J	RIDER COL	158000
N Y	SUNY COL OF EDUC OSWEGO	734000
N C	LOUISBURG COL	200000
OHIO	DENISON UNIV	178000
OHIO	JOHN CARROLL UNIV	1555000
OHIO	WILMINGTON COL	10000
PA	ALBRIGHT COL	273000
S C	FURMAN UNIV	1052000
S C	UNIV OF S C	460000
UTAH	BRIGHAM YOUNG UNIV	1450000
WASH	PACIFIC LUTHERAN COL	103000
WIS	BELOIT COL	1000000

Infirmary

MICH	EASTERN MICH UNIV	685000
[illegible]	HAMILTON COL	189000
[illegible] C	QUEENS COL	65000
OHIO	MOUNT UNION COL	60000
R I	UNIV OF R I	199000
TEX	NORTH TEX STATE COL	421000
TEX	TARLETON STATE COL	275000
VA	MADISON COL	147000

Auxiliary Enterprise

FLA	ST PETERSBURG J C	71000
ILL	UNIV OF ILL	80000
LA	LA STATE UNIV & A & M COL	48000
PA	PA STATE UNIV	121000
TEX	A & M COL OF TEX	106000
UTAH	BRIGHAM YOUNG UNIV	224000

Administration Building

CAL	AMERICAN RIVER J C	$ 358000
CAL	CALIF MARITIME ACAD	150000
CAL	OAKLAND CITY COL	60000
CAL	SACRAMENTO STATE COL	450000
CAL	SAN FRANCISCO STATE COL	490000
CAL	UNIV CALIF ALL CAMPUSES	3051000
CAL	VENTURA COL	167000
CONN	TRINITY COL	755000
MINN	UNIV OF MINN	300000
OKLA	UNIV OF TULSA	303000
PA	EASTERN BAPTIST COL	44000
TENN	UNIV OF TENN	571000
TEX	LUTHERAN CONCORDIA COL	59000

Auditorium

ALA	ALA POLYTECHNIC INST	43000
FLA	UNIV OF FLORIDA	158000
ILL	SOUTHERN ILL UNIV	213000
MD	ST JOHNS COL	900000
MD	S T C SALISBURY	130000
MO	NORTHEAST MO S T C	900000
OHIO	CASE INST OF TECHNOLOGY	855000
OKLA	NORTHWESTERN STATE COL	129000
OKLA	PHILLIPS UNIV	450000

Chapel

IOWA	BRIAR CLIFF COL	360000
MASS	BRADFORD J C	112000
MO	UNIV OF MO	117000
N Y	COLGATE UNIV	475000
N Y	UNIV OF ROCHESTER	102000
OKLA	UNIV OF TULSA	294000
TENN	DAVID LIPSCOMB COL	100000
TENN	UNIV OF THE SOUTH	1375000
TEX	AUSTIN COL	325000
VA	HOLLINS COL	627000

Extension and Experiment Station

MICH	UNIV OF MICH	314000

Faculty Club

CAL	UNIV CALIF ALL CAMPUSES	458000
CAL	VENTURA COL	33000
MASS	BRANDEIS UNIV	570000
PA	UNIV OF PA	925000

Garage

IND	UNIV OF NOTRE DAME	500000
PA	PA STATE UNIV	3000

Nonteaching Hospital

MINN	UNIV OF MINN	525000
MINN	UNIV OF MINN	1073000
N Y	N Y UNIV	2890000

Maintenance Shop

CAL	CALIF INST OF TECHNOLOGY	$ 463000
CAL	CAL ST POLY KELLG VOHRS	274000
CAL	LA SIERRA COL	6000
CAL	UNIV CALIF ALL CAMPUSES	1524000
CAL	UNIV CALIF ALL CAMPUSES	232000
FLA	ST PETERSBURG J C	8000
N C	ELIZ CITY S T C	25000
N C	QUEENS COL	8000
S C	FURMAN UNIV	98000

Multipurpose

CAL	UNIV CALIF ALL CAMPUSES	1963000
CONN	HARTFORD COL	118000
IND	INDIANA CENTRAL COL	1599000
MICH	FLINT J C	1400000
MINN	WM MITCHELL COL LAW	368000
N Y	HOLY TRINITY ORTHODOX SEM	250000
N Y	ORANGE COUNTY CMTY COL	835000
N Y	ROSARY HILL COL	1185000
OHIO	UNIV OF CINCINNATI	815000
TEX	WEST TEX STATE COL	254000

Office Building

CAL	OAKLAND CITY COL	9000
GA	GA INST OF TECHNOLOGY	206000
ILL	UNIV OF CHICAGO	1339000
N Y	UNION THEOL SEM	471000
N C	DUKE UNIV	450000
N C	PFEIFFER COL	36000

Stadium

CONN	YALE UNIV	1324000
PA	WASHINGTON JEFFERSON COL	200000
TEX	WEST TEX STATE COL	753000

Theater

MICH	EASTERN MICH UNIV	750000
MICH	FLINT J C	600000

Power and Heating Plant

ARIZ	UNIV OF ARIZ	83000
CAL	SACRAMENTO STATE COL	85000
CAL	UNIV CALIF ALL CAMPUSES	339000
CAL	UNIV CALIF ALL CAMPUSES	5000
COLO	ADAMS STATE COL	295000
ILL	ILL INST OF TECHNOLOGY	800000
IND	VALPARAISO UNIV	466000
LA	TULANE UNIV OF LA	1500000
MASS	UNIV OF MASS	950000
MICH	FERRIS INST	196000
MINN	UNIV OF MINN	600000
MO	NORTHEAST MO S T C	350000
N H	RIVIER COL	50000
TEX	SOUTHWESTERN UNIV	35000
VA	VPI AT BLACKSBURG	154000

Warehouse

ILL	NORTHERN ILL UNIV	$ 150000
MD	UNIV OF MD	44000
MINN	UNIV OF MINN	756000
PA	PA STATE UNIV	34000
PA	PA STATE UNIV	9000
PA	PA STATE UNIV	35000
PA	WILSON COL	4000

Other General

ILL	SOUTHERN ILL UNIV	168000
LA	LA STATE UNIV & A & M COL	56000
N C	QUEENS COL	87000
S C	CLEMSON AGRIC COL	91000

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